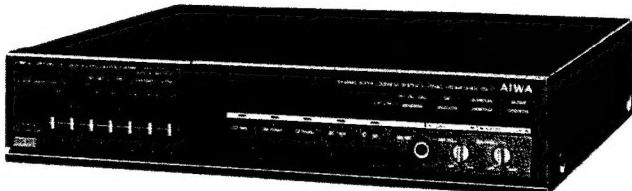


AIWA® SERVICE MANUAL

STEREO PREAMPLIFTER

MODEL NO.

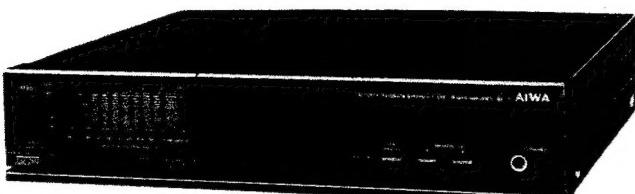
GX-770



STEREO POWER
AMPLIFTER

MODEL NO.

BX-770

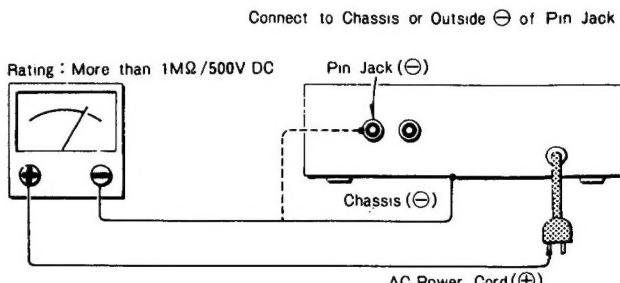


TYPE. HB, UB, EB, KB, ZB

Follow the instructions carefully, which will allow the user to optimise the products' performance and give many years of service.

1. No scratch and melting shall be made to covered lead-wires of an a.c. primary circuit including mains leads.
2. No illegibility shall be given to the specification plate, the caution labels, the fuse labels and others.
3. When, on pattern sides of circuit boards, additional repair-parts have been made up, the parts shall be firmly glued to circuit boards or other components, unless the parts can be attached firmly.
4. The following matters shall be maintained as they are, when repairing.
 - 1) Soldering of lead-wire ends
 - * Care should be taken of the space distance in an a.c. primary circuit as well as soldering.
 - 2) Wiring and holding of lead-wires with wire-clips and binders
 - 3) Materials of lead-wires
 - * e.g.: For UL models, lead-wires to be used shall be approved or accepted by the UL.
 - 4) Location of all kinds of insulators
 - 5) Setting of voltage selector switch
 - * Set the Voltage Selector Switch to 240V, 220V, or 120V, According to your Local Voltage.

5. After repaired, the insulation resistance or leakage current shall be measured with $500 \pm 5\text{V D.C}$ and shall be not less than $1\text{M}\Omega$.
Measuring Point



6. General instructions for mechanism repair
 - 1) E-rings and poly slider washers shall be replaced with new ones, if once those have been removed. — No re-utilization due to unreliability.
 - 2) Regular spare-parts shall always be used for repair, because using irregular parts and tampering with the products shall cause deterioration, malfunction and damage.

SPECIFICATIONS

GX-770

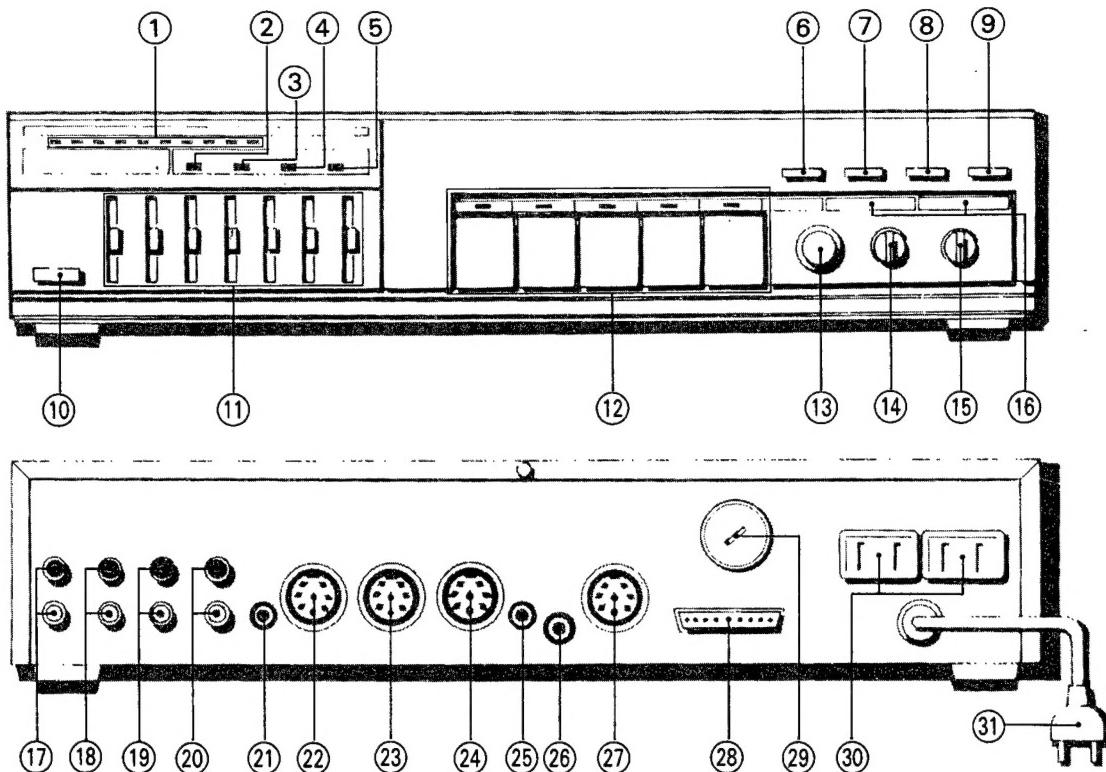
| | | | |
|---|---|---|---|
| Total harmonic distortion: | TUNER, AUX, TAPE PLAY, CD 0.008% (1 kHz) PHONO (MM) 0.01% (1 kHz, REC OUT) | Output jacks (Level/output impedance): | TAPE: 150 mV/47k ohms (REC OUT) OUTPUT: 1 V/47k ohms |
| Frequency response: | 20 Hz to 50 kHz (+0.5/-3 dB) | RIAA deviation: | 340 mV/47k ohms ±0.5 dB (20 Hz~20 kHz) |
| S/N ratio: | IHF A curve short circuited GX-770E, H, K, U, PHONO (MM) 84 dB TUNER, AUX, TAPE 90 dB | Power requirements: | GX-770U, AC 120V, 60 Hz GX-770K AC 240V, 50/60 Hz |
| | GX-770Z PHONO (MM) 76 dB TUNER, AUX, TAPE 90 dB | | GX-770H AC 120V/220V/240V switchable, 50/60 Hz |
| Input jacks (Sensitivity/input impedance): | PHONO (MM) 4 mV/47k ohms TUNER 170 mV/47k ohms CD 230 mV/27k ohms TAPE 170 mV/47k ohms AUX 170 mV/47k ohms MIC 1 mV/10k ohms | Power consumption: | GX-770E, Z AC 220V, 50/60 Hz GX-770E, K, Z, 10 W GX-770U 10 W GX-770H 10 W |
| | | Dimensions: | 330 (W) × 71 (H) × 307 (D) mm |
| | | Weight: | 2.3 kg |

BX-770

| | | | |
|--|---|---|--|
| Effective output power: | BX-770H 100W+100W (10%, 8 ohms) BX-770 E, K, Z, 75W+75W (0.02%, 1 kHz, 8 ohms) < FTC Rule U mode only > 75 Watts per channel, Min. RMS at 8 ohms, from 20 Hz—20 kHz, with no more than 0.02% Total Harmonic Distortion. | Damping Factor: | More than 30 (8 ohms, 1 kHz) |
| Total harmonic distortion: | 0.01% (50W+50W, 20 Hz—20 kHz, 8 ohms) | Power requirements: | BX-770U AC 120V, 60 Hz BX-770K AC 240V 50/60 Hz |
| Frequency response: | 10 Hz to 50 kHz (-1 dB) | BX-770H AC 120V/220V/240V switchable, 50/60 Hz | |
| S/N ratio: | IHF 110 dB, A curve short circuited | BX-770E, Z AC 220V, 50/60 Hz | |
| Input jacks (Sensitivity/ input impedance): | BX-770 1V/47k ohms | BX-770E, K, Z 350 W | |
| Output jacks (Level/ output impedance): | Headphones 1 mW/1 W (8Ω) Speakers (A or B) 8 to 16 ohms Speakers (A+B) 16 ohms | BX-770U 100 W | |
| | | BX-770H 120W | |
| | | Dimensions: | 330 (W) × 71 (H) × 313 (D) mm |
| | | Weight: | 4.6 kg |

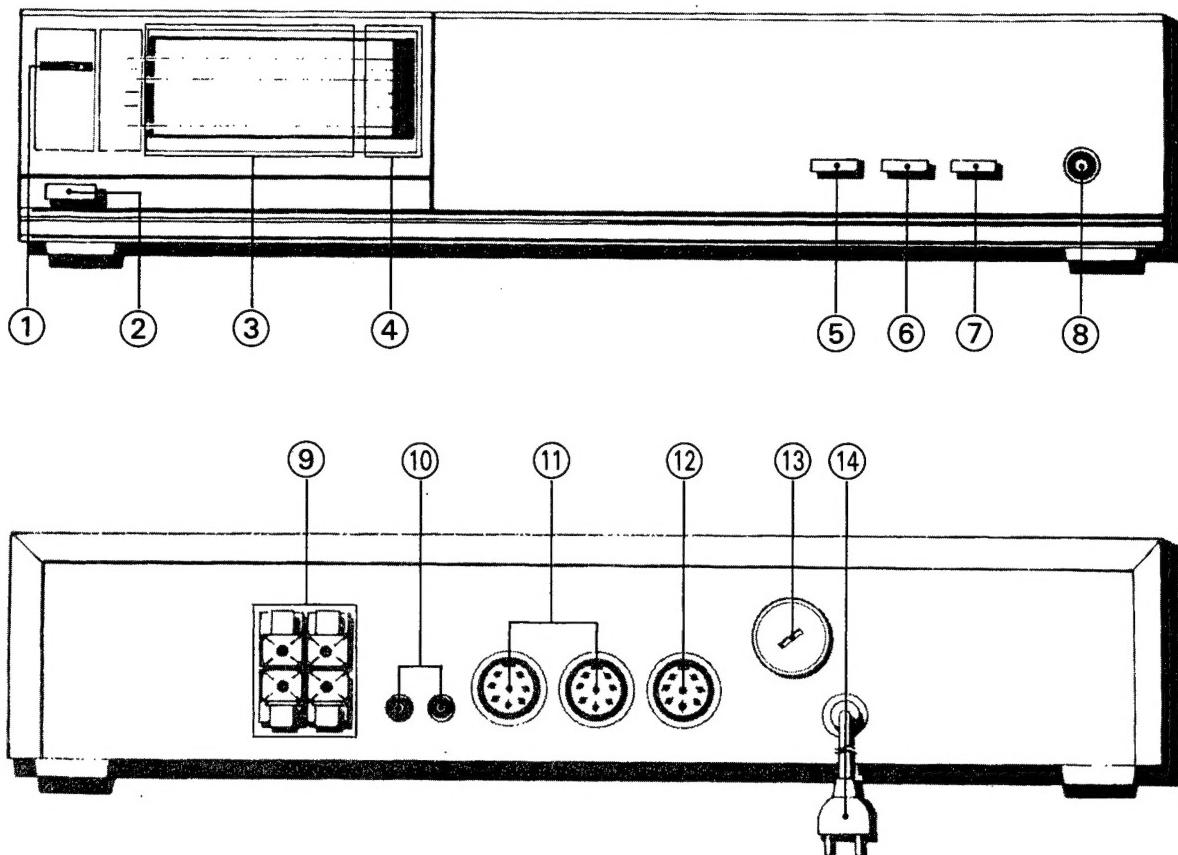
- Design and specifications are subject to change without notice.

NAMES OF PARTS AND THEIR FUNCTION (GX-770)



- 1. VOLUME INDICATOR**
Displays the volume.
- 2. REC OUT Indicator**
This indicator lights when the REC OUT button is "ON".
- 3. DSL indicator**
This indicator lights when the DSL button is "ON".
- 4. SURROUND indicator**
This indicator lights when the SURROUND button is "ON".
- 5. MUTING Indicator**
This indicator lights when the MUTING button is "ON".
- 6. REC OUT switch**
Turn this switch ON (the indicator will light) when you want the output signal to REC OUT to be adjustable with the equalizer. The switch should be OFF if you want the output to REC OUT to have a flat response; with no influence from the equalizer controls.
- 7. DSL ON/OFF button**
For turning ON/OFF the DSL circuit.
- 8. SURROUND button**
Switch this button "ON" when listening to the surround system with four speakers.
- 9. MUTING button**
Set the MUTING button to ON for decreasing the volume by 1/10th of the normal volume setting. This is convenient when answering the telephone, etc. Usually keep the button set in the OFF position.
- 10. POWER button**
For switching the power ON/OFF (STANDBY).
- 11. GRAPHIC EQUALIZER controls**
Adjust the tone for the desired response.
- 12. Function buttons and function indicator**
Press the appropriate button to select the desired music source.
The indicator corresponding to the depressed button turns on.
- 13. MIX MIC jack**
Plug the microphones into this jack for sound mixing or for recording music while you sing along.
- 14. MIC VOL control knob**
For volume control from the mixing microphone.
- 15. BALANCE control knob**
For balancing right and left speaker sound.
- 16. VOLUME button**
- 17. PHONO jack**
These jacks are connected to connect to the output plugs of the turntable system.
- 18. Compact disk jacks (CD)**
These jacks are connected to a compact disk player.
- 19. Auxiliary input jacks (AUX)**
These jacks are connected to the output cords of external components.
- 20. REC OUT jack (REC OUT)**
These output jacks permit connection, when recording, to an external component such as a VCR.
- 21. PHONO SYNC jack**
This jack connects to the turntable synchronization cable.
- 22. Tape REC/PLAY jack**
This jack is connected to the REC/PLAY jack of the deck.
- 23. Tape CONTROL jack**
This jack is connected to the CONTROL jack of the deck.
- 24. TUNER jack**
This jack is connected to the OUTPUT jack of the tuner.
- 25. CD synchro-recording jack (CD SYNC)**
Jack for connection to the synchro-recording jack (DECK SYNC) on the AIWA compact disc player.
- 26. VIDEO synchro-recording jack (VIDEO SYNC)**
Jack for connection to the SYNCHRO FUNCTION jack on the AIWA AV-70M video cassette recorder.
- 27. Output jack (OUTPUT)**
This jack is connected to the INPUT jack of the power amplifier.
- 28. Remote control jack (REMOTE)**
Jack for wireless remote control of the AIWA 7000 series system.
- 29. AC VOLTAGE selector switch (H model only)**
- 30. AC OUTLETS**
Supply power for the BX-770 power amplifier and the DX-770 compact disc player.
- 31. AC cord**
Supplies power to the unit.

NAMES OF PARTS AND THEIR FUNCTION (BX-770)



1. **AFBS Indicator**
When the AFBS button is "ON" this indicator lights.
2. **POWER button**
For switching the power ON/OFF (STANDBY).
3. **Spectrum Analyzer display**
Displays the input signal level by dividing it into 7 frequency bandwidths.
* The input signal amplitude is displayed independently of the volume, however the display changes when the Graphic Equalizer is used.
* This display lights only when this unit is used with the GX-770 preamplifier. In other combinations, the display does not light.
4. **POWER OUTPUT Indicator (POWER INDICATOR)**
This display amplifier output levels.
5. **AFBS button**
When this button is ON, the base notes of the A speakers (AIWA SX-E77) are emphasized.
6. **SPEAKERS A switch**
When pressed in, turns on the speakers connected to the A speaker terminals.
7. **SPEAKERS B switch**
When pressed in, turns on the speakers connected to the B speaker terminals.
8. **PHONES jack**
Jack for the connection of headphones.
When listening with headphones and without sound from the speakers, switch both SPEAKER buttons A and B OFF.
9. **SPEAKERS B terminals**
Connection terminals for right and left speakers of system B.
10. **Speaker jacks for surround system use (SPEAKERS)**
When listening to the surround system, connect the rear speakers to this jack.
11. **SPEAKERS A terminals**
Connection jacks for right and left speakers of system A.
12. **INPUT jacks**
Cords from these terminals should be connected to the OUTPUT jacks on the preamplifier unit.
13. **AC VOLTAGE selector switch (H model only)**
14. **AC cord**
Supplies power to the unit.

ELECTRICAL MAIN PARTS LIST (GX-770)
ELECTRICAL M.

- +++ mark denotes a component of assembled part which part code is represented by a previously stated component.
- *-mark means less required items and availabilities may be limited.

| Ref. No. | Part No. | Description | Ref. No. | Part No. | Description | Ref. No. | Part No. | Description | Ref. No. | Part No. | Description | Ref. No. | Part No. | Description | Ref. No. | Part No. | |
|-------------------------|---------------------------------|---|---|---|--------------------|----------|----------|-------------|----------|----------|-------------|----------|----------|-------------|----------|----------|--|
| | | | | | | | | | | | | | | | | | |
| --- IC -- | | | | | | | | | | | | | | | | | |
| 87-027-350 | IC,IR2406G | D22 87-020-110 DIODE 1SS177 | C1 ★ 87-015-684 CAP,ELECT 47-16 | △C97 ★ 87-019-110 SPARK KILLER 0.01 | --- IC --- | | | | | | | | | | | | |
| 87-020-547 | IC,LB1292 | D23 87-020-110 DIODE 1SS177 | C2 ★ 87-015-684 CAP,ELECT 47-16 | △F1 ★ 87-035-139 FUSE T2.5A (E,Z ONLY) | 87-020 | | | | | | | | | | | | |
| 87-020-604 | IC,M4051BP | D24 87-020-110 DIODE 1SS177 | C3 ★ 87-015-698 CAP,ELECT 4.7-50 | △J17 ★ 87-049-017 AC OUTLET (AC OUTLETS)(H ONLY) | 87-020 | | | | | | | | | | | | |
| 87-027-895 | IC,M5218L | D25 87-020-110 DIODE 1SS177 | C4 ★ 87-015-698 CAP,ELECT 4.7-50 | △J17 ★ 87-049-070 AC OUTLET (AC OUTLETS)(U ONLY) | 87-020 | | | | | | | | | | | | |
| 87-027-925 | IC,M5220 | D31 87-020-110 DIODE 1SS177 | C5 ★ 87-018-040 CAP,CERA-SOL S 470P | △J17 ★ 87-049-514 AC OUTLET (AC OUTLETS)(E,Z ONLY) | 87-020 | | | | | | | | | | | | |
| 87-020-546 | IC,M5229P | D32 87-020-110 DIODE 1SS177 | C6 ★ 87-018-040 CAP,CERA-SOL S 470P | △J17 ★ 87-049-416 AC OUTLET (AC OUTLETS)(K ONLY) | 87-020 | | | | | | | | | | | | |
| 87-020-619 | IC,M5238L | D33 87-020-110 DIODE 1SS177 | C7 ★ 87-018-037 CAP,CERA-SOL S 270P | △J18 ★ 87-049-017 AC OUTLET (AC OUTLETS)(H ONLY) | 87-020 | | | | | | | | | | | | |
| 87-020-379 | IC,MN6632 | D34 87-020-110 DIODE 1SS177 | C8 ★ 87-018-037 CAP,CERA-SOL S 270P | △J18 ★ 87-049-070 AC OUTLET (AC OUTLETS)(U ONLY) | 87-020 | | | | | | | | | | | | |
| 87-027-986 | IC,NJM4560S | D35 87-020-110 DIODE 1SS177 | C11 ★ 87-018-042 CAP,CERA-SOL S 680P | △J18 ★ 87-049-514 AC OUTLET (AC OUTLETS)(E,Z ONLY) | 87-027 | | | | | | | | | | | | |
| 87-027-989 | IC,TC4027BP | D36 87-020-110 DIODE 1SS177 | C12 ★ 87-018-042 CAP,CERA-SOL S 680P | △J18 ★ 87-049-416 AC OUTLET (AC OUTLETS)(K ONLY) | 87-027 | | | | | | | | | | | | |
| 87-027-656 | IC,TC4066BP | D37 87-020-110 DIODE 1SS177 | C15 ★ 87-018-045 CAP,CERA-SOL 220P | --- VOL.SELECTOR CIRCUIT BOARD SECTION (H ONLY) --- | 87-027 | | | | | | | | | | | | |
| 87-027-978 | IC,TC9152P | D38 87-020-110 DIODE 1SS177 | C16 ★ 87-018-045 CAP,CERA-SOL 220P | 87-027 | | | | | | | | | | | | | |
| 87-027-554 | IC,UPD4066BC | D40 87-020-110 DIODE 1SS177 | C19 ★ 87-018-046 CAP,CERA-SOL S 0.0047 | PCB-D * VOL.SELECTOR CIRCUIT BOARD | | | | | | | | | | | | | |
| | | D41 87-020-364 DIODE,ZENER HZ-2B3 | C20 ★ 87-018-046 CAP,CERA-SOL S 0.0047 | △AS1 ★ 87-031-551 ROTARY SW(VOLTAGE SELECTOR)(H ONLY) | | | | | | | | | | | | | |
| | | D42 87-020-110 DIODE 1SS177 | C21 ★ 87-015-692 CAP,ELECT 0.22-50V | --- MISCELLANEOUS --- | --- TRANSISTOR --- | | | | | | | | | | | | |
| | | D43 87-020-110 DIODE 1SS177 | C22 ★ 87-015-692 CAP,ELECT 0.22-50V | | | | | | | | | | | | | | |
| | | D44 87-020-110 DIODE 1SS177 | C25 ★ 87-015-694 CAP,ELECT 0.47-50V | △ ★ 87-034-992 AC CORD (H ONLY) | 89-503 | | | | | | | | | | | | |
| | | D45 87-020-110 DIODE 1SS177 | C26 ★ 87-015-694 CAP,ELECT 0.47-50V | △ ★ 87-034-994 AC CORD (U ONLY) | 89-110 | | | | | | | | | | | | |
| | | D46 87-020-110 DIODE 1SS177 | C29 ★ 87-015-693 CAP,ELECT 0.33-50 | △ ★ 82-788-674 AC CORD (E,Z ONLY) | 89-110 | | | | | | | | | | | | |
| | | D47 87-027-393 DIODE,ZENER HZ4C2 | C30 ★ 87-015-693 CAP,ELECT 0.33-50 | △ ★ 87-034-708 AC CORD (K ONLY) | 89-111 | | | | | | | | | | | | |
| 89-110-155 | TRANSISTOR,2SA1015,GR | D49 87-027-431 DIODE,ZENER RD-6.2EB | C31 ★ 87-015-695 CAP,ELECT 1-50 | △ ★ 87-085-184 AC CORD BUSHING (H ONLY) | 89-206 | | | | | | | | | | | | |
| 89-210-670 | TRANSISTOR,2SB1067 | D50 87-020-110 DIODE 1SS177 | C32 ★ 87-015-695 CAP,ELECT 1-50 | △ ★ 87-085-189 AC CORD BUSHING (U ONLY) | 89-318 | | | | | | | | | | | | |
| 89-309-456 | TRANSISTOR,2SC945L,P | D51 87-020-110 DIODE 1SS177 | C35 ★ 87-015-698 CAP,ELECT 4.7-50 | △ ★ 87-085-185 AC CORD BUSHING (E,K,G ONLY) | 89-318 | | | | | | | | | | | | |
| 89-318-155 | TRANSISTOR,2SC1815,GR | D52 87-027-606 DIODE,ZENER HZ7C2L | C36 ★ 87-015-698 CAP,ELECT 4.7-50 | APT1 ★ 81-766-606 POWER TRANSFORMER (H ONLY) | 89-320 | | | | | | | | | | | | |
| 89-320-011 | TRANSISTOR,2SC2001K | D54 87-020-110 DIODE 1SS177 | C37 ★ 87-015-691 CAP,ELECT 0.1-50 | APT1 ★ 81-766-607 POWER TRANSFORMER (U ONLY) | 89-326 | | | | | | | | | | | | |
| 89-408-804 | TRANSISTOR,2SD880,Y (H,U ONLY) | D55 87-027-555 DIODE,ZENER HZ5C2 | D1 87-020-110 DIODE 1SS177 | APT1 ★ 81-766-608 POWER TRANSFORMER (E,Z ONLY) | 89-326 | | | | | | | | | | | | |
| 89-412-653 | TRANSISTOR,2SD1265 (E,K,Z ONLY) | D56 87-027-475 DIODE,ZENER HZ-6B1 | D2 87-020-110 DIODE 1SS177 | APT1 ★ 81-766-609 POWER TRANSFORMER (K ONLY) | 89-333 | | | | | | | | | | | | |
| | | D57 87-027-475 DIODE,ZENER HZ-6B1 | D3 87-020-110 DIODE 1SS177 | | 89-407 | | | | | | | | | | | | |
| | | D58 87-020-110 DIODE 1SS177 | D4 87-020-110 DIODE 1SS177 | | 89-412 | | | | | | | | | | | | |
| PCB-A ★ 81-750-611 | MAIN CIRCUIT BOARD | D59 87-020-110 DIODE 1SS177 | D5 87-020-110 DIODE 1SS177 | | 89-413 | | | | | | | | | | | | |
| BC1 87-012-110 | CAP,BEAD 270P (Z ONLY) | D60 87-020-110 DIODE 1SS177 | LED1 87-020-556 LED TLG205 (TAPE) | | | | | | | | | | | | | | |
| BC2 87-012-110 | CAP,BEAD 270P (Z ONLY) | D61 87-020-110 DIODE 1SS177 | LED2 87-020-556 LED TLG205 (TUNER) | | | | | | | | | | | | | | |
| C1 ★ 87-018-036 | CAP,CERA-SOL S 220P | D62 87-020-110 DIODE 1SS177 | LED3 87-020-556 LED TLG205 (PHONO) | | | | | | | | | | | | | | |
| C2 ★ 87-018-036 | CAP,CERA-SOL S 220P | D63 87-020-110 DIODE 1SS177 | LED4 87-020-556 LED TLG205 (AUX) | | | | | | | | | | | | | | |
| C7 ★ 87-018-024 | CAP,CERA-SOL S 47P | D64 87-020-110 DIODE 1SS177 | LED5 87-020-556 LED TLG205 (CD) | | | | | | | | | | | | | | |
| C8 ★ 87-018-024 | CAP,CERA-SOL S 47P | D65 87-027-475 DIODE,ZENER HZ-6B1 | LED6 87-027-679 LED,TLR208 (REC OUT-G.EQ.) | | | | | | | | | | | | | | |
| C39 ★ 87-018-035 | CAP,CERA-SOL 180P | D66 87-027-393 DIODE,ZENER HZ4C2 | LED7 87-027-679 LED,TLR208 (DSL) | | | | | | | | | | | | | | |
| C40 ★ 87-018-035 | CAP,CERA-SOL 180P | D67 87-020-110 DIODE 1SS177 | LED8 87-027-679 LED,TLR208.(SURROUND) | | | | | | | | | | | | | | |
| C73 ★ 87-018-008 | CAP,CERA-SOL S 8.2P | D68 87-027-475 DIODE,ZENER HZ-6B1 | LED9 87-027-679 LED,TLR208 (MUTING) | | | | | | | | | | | | | | |
| C74 ★ 87-018-008 | CAP,CERA-SOL S 8.2P | D69 87-027-431 DIODE,ZENER RD-6.2E | LED10 87-020-550 LED TLG208-5 (VOLUME INDICATOR) | | | | | | | | | | | | | | |
| C77 ★ 87-018-039 | CAP,CERA-SOL S 390P | D70 87-020-400 DIODE 1SR35-200 | LED11 87-020-550 LED TLG208-5 (VOLUME INDICATOR) | | | | | | | | | | | | | | |
| C78 ★ 87-018-039 | CAP,CERA-SOL S 390P | D71 87-027-376 DIODE 1B4B41 | SW1 87-031-771 TACT SW (TAPE) | | | | | | | | | | | | | | |
| C81 ★ 87-015-682 | CAP,ELECT 22-16 | D72 87-027-555 DIODE,ZENER HZ5C2 | SW2 87-031-771 TACT SW (TUNER) | | | | | | | | | | | | | | |
| C83 ★ 87-018-045 | CAP,CERA-SOL S 2200P | D73 87-020-110 DIODE 1SS177 | SW3 87-031-771 TACT SW (PHONO) | | | | | | | | | | | | | | |
| C101 ★ 87-018-044 | CAP,CERA-SOL S 1000P | D75 87-020-110 DIODE 1SS177 | SW4 87-031-771 TACT SW (AUX) | | | | | | | | | | | | | | |
| C103 ★ 87-018-042 | CAP,CERA-SOL S 680P | J1 87-049-420 PIN JACK 4P-14 (PHONO) L | SW5 87-031-771 TACT SW (CD) | | | | | | | | | | | | | | |
| D1 87-027-225 | DIODE,ZENER 05Z-5.1X(TP) | J2 +++ PIN JACK 4P-14 (PHONO) R | SW6 81-750-625 PUSH SW 4 KEYS (REC OUT-G.EQ.) | | | | | | | | | | | | | | |
| D2 87-020-110 | DIODE 1SS177 | J3 +++ PIN JACK 4P-14 (CD) L | SW7 81-750-625 PUSH SW 4 KEYS (DSL) | | | | | | | | | | | | | | |
| D3 87-020-110 | DIODE 1SS177 | J4 +++ PIN JACK 4P-14 (CD) R | SW8 81-750-625 PUSH SW 4 KEYS (SURROUND) | | | | | | | | | | | | | | |
| D4 87-020-110 | DIODE 1SS177 | J5 87-049-450 PIN JACK,4P (AUX) L | SW9 81-750-625 PUSH SW 4 KEYS (MUTING) | | | | | | | | | | | | | | |
| D5 87-020-110 | DIODE 1SS177 | J6 +++ PIN JACK,4P (AUX) R | SW10 87-031-897 PUSH SW (POWER) | | | | | | | | | | | | | | |
| D6 87-020-110 | DIODE 1SS177 | J7 +++ PIN JACK,4P (REC OUT-G.EQ.) L | SW11 87-031-771 TACT SW (VOLUME UP) | | | | | | | | | | | | | | |
| D7 87-020-110 | DIODE 1SS177 | J8 +++ PIN JACK,4P (REC OUT-G.EQ.) R | SW12 87-031-771 TACT SW (VOLUME DOWN) | | | | | | | | | | | | | | |
| D8 87-020-110 | DIODE 1SS177 | J9 81-750-630 JACK,ASSY (TUNER) | VR1 87-021-956 SLIDE VR 20KB (7BAND G.EQ.,40HZ) | | | | | | | | | | | | | | |
| D9 87-020-110 | DIODE 1SS177 | J10 +++ JACK,ASSY (TAPE) | VR2 87-021-956 SLIDE VR 20KB (7BAND G.EQ.,125HZ) | | | | | | | | | | | | | | |
| D11 87-020-110 | DIODE 1SS177 | J11 +++ JACK,ASSY (CONTROL) | VR3 87-021-956 SLIDE VR 20KB (7BAND G.EQ.,330HZ) | | | | | | | | | | | | | | |
| D12 87-020-110 | DIODE 1SS177 | J15 87-049-067 MIC JACK 6.3 (MIX MIC) | VR4 87-021-956 SLIDE VR 20KB (7BAND G.EQ.,1KHZ) | | | | | | | | | | | | | | |
| D13 87-020-110 | DIODE 1SS177 | J19 ★ 87-049-659 BP CONNECTOR SOCKET 13P (REMOTE) | VR5 87-021-956 SLIDE VR 20KB (7BAND G.EQ.,2.5KHZ) | | | | | | | | | | | | | | |
| D14 87-020-110 | DIODE 1SS177 | VR1 87-021-922 VOLUME 50KW (BALANCE) | VR6 87-021-956 SLIDE VR 20KB (7BAND G.EQ.,6.3KHZ) | | | | | | | | | | | | | | |
| D15 87-020-110 | DIODE 1SS177 | VR2 87-021-921 VOLUME 10KB (MIC VOL.) | VR7 87-021-956 SLIDE VR 20KB (7BAND G.EQ.,15KHZ) | | | | | | | | | | | | | | |
| D17 87-020-110 | DIODE 1SS177 | | | | | | | | | | | | | | | | |
| D18 87-020-110 | DIODE 1SS177 | | | | | | | | | | | | | | | | |
| D19 87-020-110 | DIODE 1SS177 | | | | | | | | | | | | | | | | |
| D21 87-020-110 | DIODE 1SS177 | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |

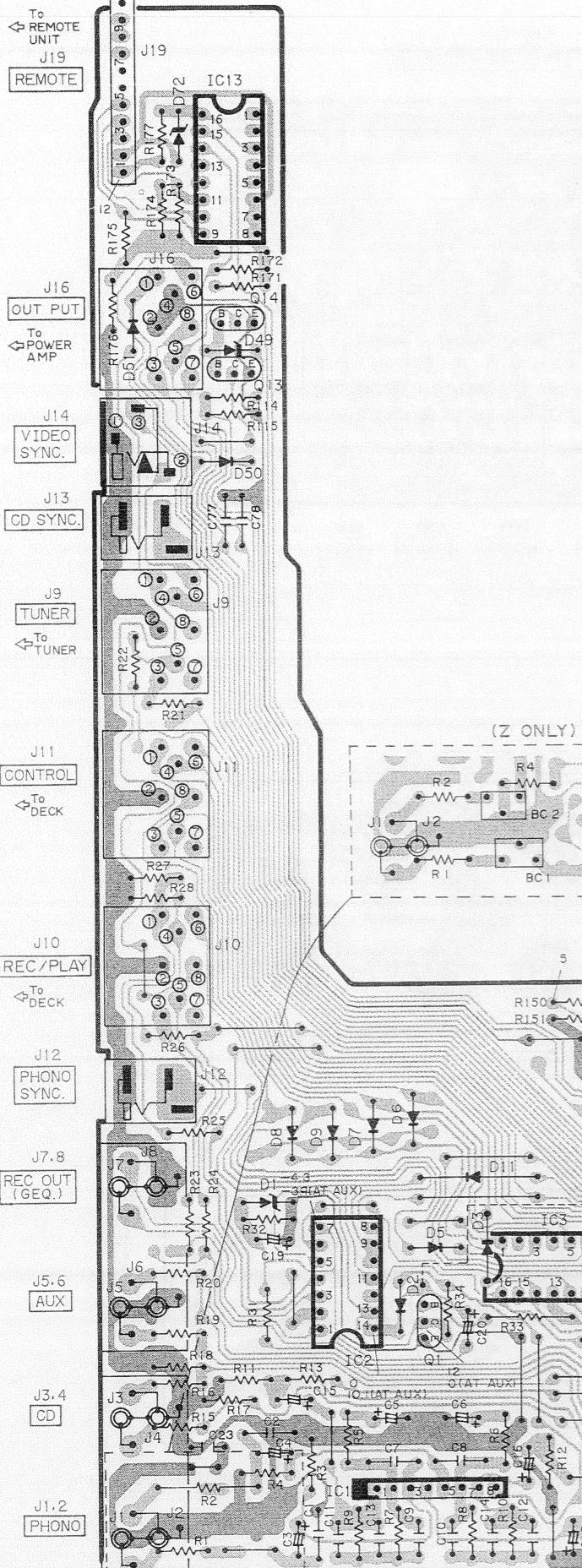
ELECTRICAL MAIN PARTS LIST (BX-770)

- +++ mark denotes a component of assembled part which part code is represented by a previously stated component.
- ★ -mark means less required items and availabilities may be limited.

| CAPACITORS | COILS | FUSE |
|---------------------------------------|-----------------|-------------------------|
| No mark, U, UF: μ F P, PF : pF | MMH: mH : pH | MMA: mA UH : μ H |

| on | Ref. No. | Part No. | Description | Ref. No. | Part No. | Description | Ref. No. | Part No. | Description | Ref. No. | Part No. | Description |
|--|------------|-----------------------|-----------------------|----------|--------------|---------------------------------|----------|--------------|-----------------------|--|--------------|--------------------------------|
| Y) TS)(H ONLY) TS)(U ONLY) | 87-020-431 | IC,BA658 | --- | D21 | 87-020-110 | DIODE 1SS177 | C211 | ★ 87-015-694 | CAP,ELECT 0.47-50V | △R14 | ★ 87-029-029 | RES,FUSIBLE,1/4W-68 (EXCEPT H) |
| TS)(E,Z ONLY) TS)(K ONLY) | 87-020-429 | IC,LB1290 | --- | D25 | 87-020-110 | DIODE 1SS177 | C214 | ★ 87-015-694 | CAP,ELECT 2.2-50 | R42 | ★ 87-025-368 | RES,MF 1.2K (EXCEPT H) |
| TS)(H ONLY) TS)(U ONLY) | 87-020-547 | IC,LB1292 | --- | D26 | 87-020-110 | DIODE 1SS177 | C215 | ★ 87-015-694 | CAP,ELECT 0.47-50V | △R44 | ★ 87-029-112 | RES,FUSIBLE 1/4W-330 |
| TS)(E,Z ONLY) TS)(K ONLY) | 87-020-633 | IC,M4052 BP | --- | D27 | 87-020-400 | DIODE 1SR35-200 | C218 | ★ 87-015-694 | CAP,ELECT 2.2-50 | △SFR2 | ★ 87-021-856 | SFR 100 |
| TS)(H ONLY) TS)(U ONLY) | 87-020-548 | IC,M5228P | --- | D28 | 87-020-400 | DIODE 1SR35-200 | C219 | ★ 87-015-694 | CAP,ELECT 0.47-50V | --- | --- | --- |
| TS)(E,Z ONLY) TS)(K ONLY) | 87-027-235 | IC,NJM4558D | --- | D29 | 87-020-110 | DIODE 1SS177 | C220 | ★ 87-018-041 | CAP,CERA-SOL S 560P | PCB-D | * | FUSE CIRCUIT BOARD |
| TS)(H ONLY) TS)(U ONLY) | 87-020-549 | IC,STK1070A | --- | D30 | 87-020-110 | DIODE 1SS177 | C221 | ★ 87-018-041 | CAP,CERA-SOL S 560P | △F3 | ★ 87-033-147 | FUSE CLAMP |
| TS)(E,Z ONLY) TS)(K ONLY) | 87-027-298 | IC,TC4001 BP | --- | D31 | 87-027-555 | DIODE,ZENER HZ5C2 | C222 | ★ 87-015-694 | CAP,ELECT 2.2-50 | △F3 | 87-035-303 | FUSE 5A (U ONLY) |
| H ONLY) --- | 87-020-207 | IC,TC4022BP | --- | D32 | 87-020-110 | DIODE 1SS177 | C223 | ★ 87-015-694 | CAP,ELECT 0.47-50V | △F3 | 87-035-365 | FUSE T2A (E,K,Z ONLY) |
| T BOARD SELECTOR)(H ONLY) | 87-027-656 | IC,TC4066BP | --- | D33 | 87-020-110 | DIODE 1SS177 | C224 | ★ 87-018-037 | CAP,CERA-SOL S 270P | --- | --- | --- |
| H ONLY) --- | 87-027-787 | IC,UPC1237H | --- | D34 | 87-020-110 | DIODE 1SS177 | C225 | ★ 87-018-037 | CAP,CERA-SOL S 270P | --- | --- | --- |
| H ONLY) --- | | | | D35 | 87-020-110 | DIODE 1SS177 | C226 | ★ 87-015-694 | CAP,ELECT 2.2-50 | --- | --- | --- |
| --- | | | | D36 | 87-020-110 | DIODE 1SS177 | C227 | ★ 87-015-694 | CAP,ELECT 0.47-50V | --- | --- | --- |
| --- | | | | D37 | 87-020-400 | DIODE 1SR35-200 | C229 | ★ 87-015-691 | CAP,ELECT 0.1-50 | PCB-E | * | VOLTAGE SW CIRCUIT BOARD |
| --- | | | | D38 | 87-027-479 | DIODE,ZENER HZ27-2 | C230 | ★ 87-015-694 | CAP,ELECT 0.47-50V | △F3 | ★ 87-033-147 | FUSE CLAMP |
| --- | | | | D39 | 87-020-144 | DIODE DBA4DC | C231 | ★ 87-015-682 | CAP,ELECT 22-16 | △F3 | 87-035-312 | FUSE 7A |
| --- | | | | D40 | 87-027-788 | DIODE D5FB20 | C233 | ★ 87-015-682 | CAP,ELECT 22-16 | △F4 | 87-035-256 | FUSE 3.15A |
| ONLY) | 89-503-890 | FET 2SK389 | --- | D41 | 87-020-110 | DIODE 1SS177 | C250 | ★ 87-015-682 | CAP,ELECT 22-16 | --- | --- | --- |
| ONLY) | 89-110-155 | TRANSISTOR,2SA1015,GR | --- | D70 | 87-020-110 | DIODE 1SS177 | C252 | ★ 87-018-137 | CAP,CERA-SOL S 3300P | △SW5 | 87-031-551 | ROTARY SW (VOLTAGE SELECTOR) |
| K,G ONLY) | 89-110-203 | TRANSISTOR,2SA1020,D | --- | D71 | 87-020-400 | DIODE 1SR35-200 | C254 | ★ 87-015-682 | CAP,ELECT 22-16 | --- | --- | --- |
| H ONLY) | 89-111-246 | TRANSISTOR,2SA1124 R | --- | △F1 | 87-035-258 | FUSE 5A (H ONLY) | C255 | ★ 87-015-682 | CAP,ELECT 22-16 | △ | 87-034-992 | AC CORD (H ONLY) |
| ONLY) | 89-206-882 | TRANSISTOR,2SB688 | --- | △F1 | 87-035-302 | FUSE 4A (U ONLY) | C256 | ★ 87-018-044 | CAP,CERA-SOL S 1000P | △ | 87-034-578 | AC CORD (U ONLY) |
| K,G ONLY) | 89-318-156 | TRANSISTOR,2SC1815,BL | --- | △F1 | 87-035-367 | FUSE T3.15A (E,K,Z ONLY) | C288 | ★ 87-015-694 | CAP,ELECT 2.2-50 | △ | 87-034-877 | AC CORD (E,Z ONLY) |
| H ONLY) | 89-318-154 | TRANSISTOR,2SC1815,Y | --- | △F2 | 87-035-258 | FUSE 5A (H ONLY) | D51 | 87-020-110 | DIODE 1SS177 | △ | 87-034-708 | AC CORD (K ONLY) |
| U ONLY) | 89-320-011 | TRANSISTOR,2SC2001K | --- | △F2 | 87-035-302 | FUSE 4A (U ONLY) | D52 | 87-020-110 | DIODE 1SS177 | △ | 87-085-184 | AC CORD BUSHING |
| E,Z ONLY) | 89-326-326 | TRANSISTOR,2SC2632 R | --- | △F2 | 87-035-367 | FUSE T3.15A (E,K,Z ONLY) | D53 | 87-020-110 | DIODE 1SS177 | △PT | 81-751-606 | TRANSFORMER PT (H ONLY) |
| K ONLY) | 89-326-553 | TRANSISTOR,2SC2655,0 | --- | J2 | 81-738-630 | JACK PLATE ASSY (AFBS R) | D54 | 87-020-110 | DIODE 1SS177 | △PT | 81-751-607 | TRANSFORMER PT (U ONLY) |
| U ONLY) | 89-333-810 | TRANSISTOR,2SC3381 | --- | J3 | 81-738-630 | JACK PLATE ASSY (AFBS L) | D55 | 87-020-110 | DIODE 1SS177 | △PT | 81-751-608 | TRANSFORMER PT (E,Z ONLY) |
| E,Z ONLY) | 89-407-182 | TRANSISTOR,2SD718 | --- | J4 | 87-049-360 | JACK 6.3 S (HEADPHONE) | D56 | 87-020-110 | DIODE 1SS177 | △PT | 81-751-609 | TRANSFORMER PT (K ONLY) |
| indicated by an ed circuit board. If this becomes | 89-412-753 | TRANSISTOR,2SD1275 | --- | J5 | 87-049-507 | JACK 3.5 (SURROUND SP L) | D57 | 87-020-110 | DIODE 1SS177 | --- | --- | --- |
| re to maintain inform to special component with signated part. | 89-413-023 | TRANSISTOR,2SD1302S | --- | J6 | 87-049-507 | JACK 3.5 (SURROUND SP R) | D58 | 87-020-110 | DIODE 1SS177 | --- | --- | --- |
| amage by static following articles. in a metallic box nsportation and | L1 | ★ 87-005-158 | INDUCTOR 1 UH | D60 | 87-020-110 | DIODE 1SS177 | PCB-C | * | AFBS CIRCUIT BOARD | Combination circuit board 81-751-610 | | |
| 60°C) of power at more than 10 er, etc. Refer to | PCB-A | * | MAIN CIRCUIT BOARD | PTH1 | ★ 87-026-270 | POSISTOR 10 (U ONLY) | C4 | ★ 87-010-367 | CAP,ELECT BP S4.7-25V | PCB-A 81-751-611 | | |
| er, etc. Refer to | C3 | ★ 87-010-367 | CAP,ELECT BP S4.7-25V | R5 | ★ 87-025-367 | RES,MF 1K (EXCEPT H) | C6 | ★ 87-018-034 | CAP,CERA-SOL S 150P | PCB-C 81-751-612 | | |
| er, etc. Refer to | C5 | ★ 87-018-034 | CAP,CERA-SOL S 150P | R7 | ★ 87-025-367 | RES,MF 1K (EXCEPT H) | C8 | ★ 87-018-037 | CAP,CERA-SOL S 270P | PCB-D 81-751-613 (EXCEPT H) | | |
| er, etc. Refer to | C7 | ★ 87-018-037 | CAP,CERA-SOL S 270P | △R13 | 87-029-029 | RES,FUSIBLE,1/4W-68 (EXCEPT H) | C9 | ★ 87-018-028 | CAP,CERA-SOL 68P | PCB-E 81-751-614 (H ONLY) | | |
| er, etc. Refer to | C9 | ★ 87-018-009 | CAP,CERA-SOL S 10P | △R41 | ★ 87-025-368 | RES,MF 1.2K (EXCEPT H) | C10 | ★ 87-018-009 | CAP,CERA-SOL S 10P | --- | | |
| er, etc. Refer to | C11 | ★ 87-018-098 | CAP,TC SS 3.3P | △R43 | ★ 87-029-112 | RES,FUSIBLE 1/4W-330 | C12 | ★ 87-018-098 | CAP,TC SS 3.3P | --- | | |
| er, etc. Refer to | C13 | ★ 87-018-005 | CAP,CERA-SOL S,4.7P | △R135 | ★ 87-025-347 | RES,MFO 2W10 (F) | C14 | ★ 87-018-005 | CAP,CERA-SOL S,4.7P | --- | | |
| er, etc. Refer to | C17 | ★ 87-018-042 | CAP,CERA-SOL S 680P | △R136 | ★ 87-025-347 | RES,MFO 2W10 (F) | C18 | ★ 87-018-042 | CAP,CERA-SOL S 680P | --- | | |
| er, etc. Refer to | C18 | ★ 87-018-028 | CAP,CERA-SOL 68P | △R210 | ★ 87-025-348 | RES,NONFLAM 1W270 | C23 | ★ 87-010-244 | CAP,ELECT 22-16 | --- | | |
| er, etc. Refer to | C86 | ★ 87-018-045 | CAP,CERA-SOL 2200P | △R211 | ★ 87-025-348 | RES,NONFLAM 1W270 | C26 | ★ 87-010-067 | CAP,ELECT 0.1-50 | --- | | |
| er, etc. Refer to | C87 | ★ 87-015-450 | CAP,ELECT 220-25V BP | △R253 | ★ 87-025-403 | RES,NONFLAM 2W 1.5K | C28 | ★ 87-015-692 | CAP,ELECT 0.22-50V | --- | | |
| er, etc. Refer to | C158 | ★ 87-010-044 | CAP,ELECT 47-50V(105) | △R500 | ★ 87-029-089 | RES,FUSIBLE,1/4W-4.7 (EXCEPT U) | C39 | ★ 87-018-034 | CAP,CERA-SOL S 150P | IC handling precaution | | |
| er, etc. Refer to | C159 | ★ 87-010-044 | CAP,ELECT 47-50V(105) | RY1 | ★ 87-045-252 | RELAY G5R24V-2 | C40 | ★ 87-018-034 | CAP,CERA-SOL S 150P | IC's construction makes this part susceptible to damage by static | | |
| er, etc. Refer to | C160 | ★ 87-010-444 | CAP,ELECT 22-50V(105) | RY2 | ★ 87-045-224 | RELAY G2R 24V-2 | C65 | ★ 87-018-042 | CAP,CERA-SOL S 680P | electricity and so take sufficient care in regard to following articles. | | |
| er, etc. Refer to | C180 | ★ 87-010-275 | CAP,ELECT 56V-8200 | RY3 | ★ 87-045-257 | RELAY G4U24V | C66 | ★ 87-018-042 | CAP,CERA-SOL S 680P | 1. Need to be put on conductive sheet, to be put in a metallic box | | |
| er, etc. Refer to | C181 | ★ 87-010-275 | CAP,ELECT 56V-8200 | SFR1 | ★ 87-021-734 | SFR 100 | D2 | 87-027-469 | DIODE,ZENER HZ1 | | | |

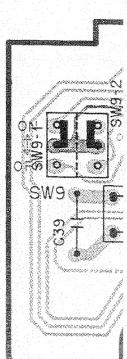
A MAIN C.B



NOTES (1) Earth pattern Printed resistor pattern Others pattern

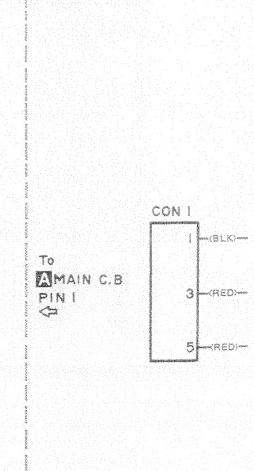
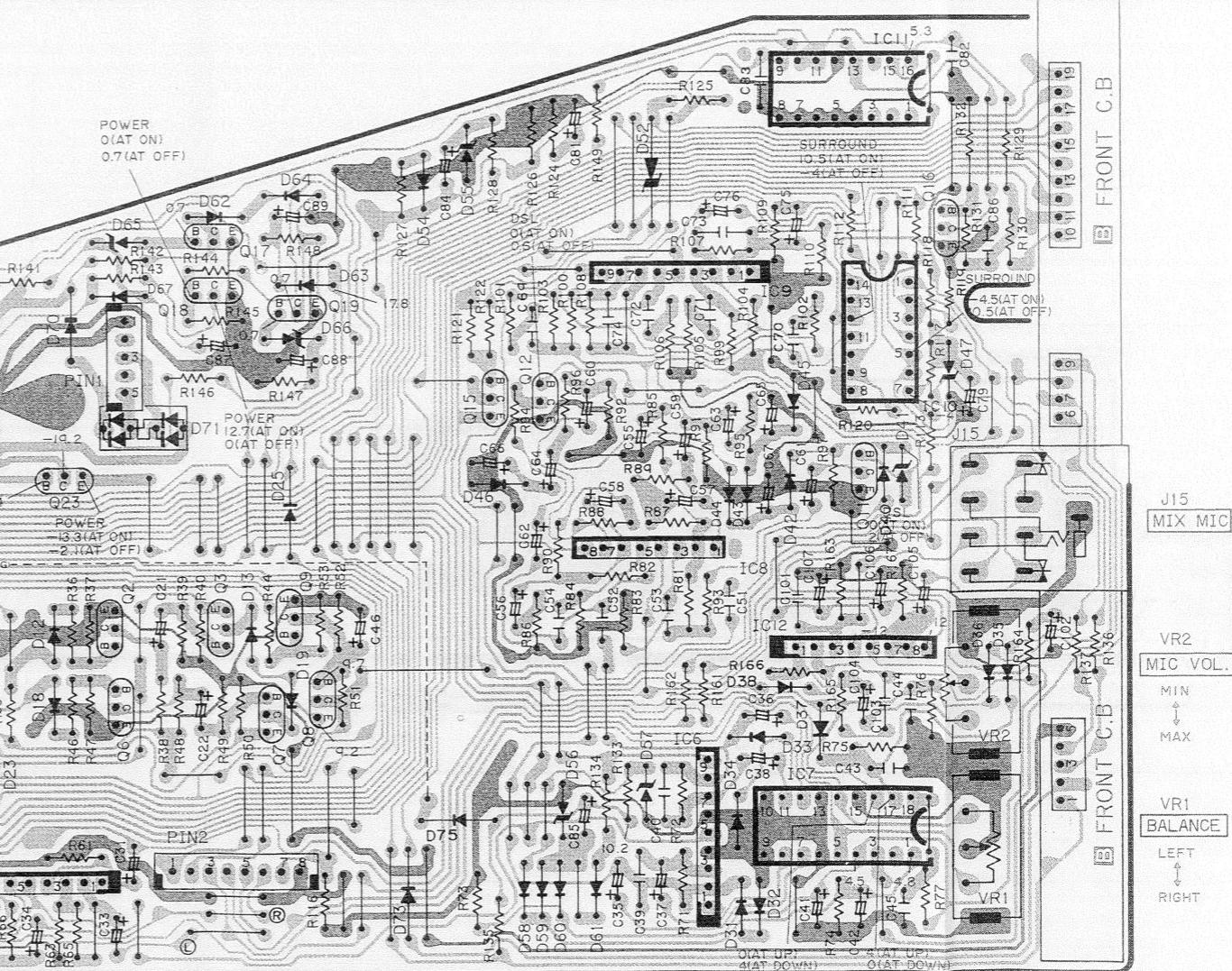
(2) The voltage is the reference value measured with a tester (20 K ohms/V DC) when there are no signals.

F R

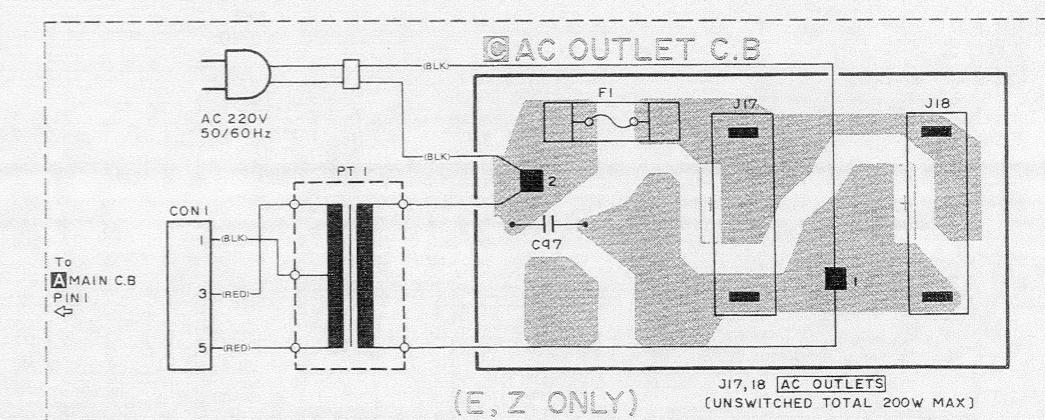
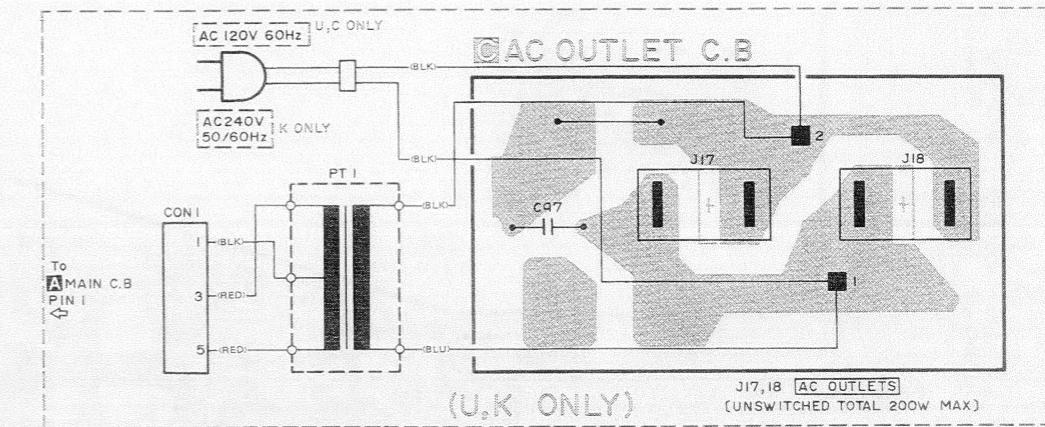
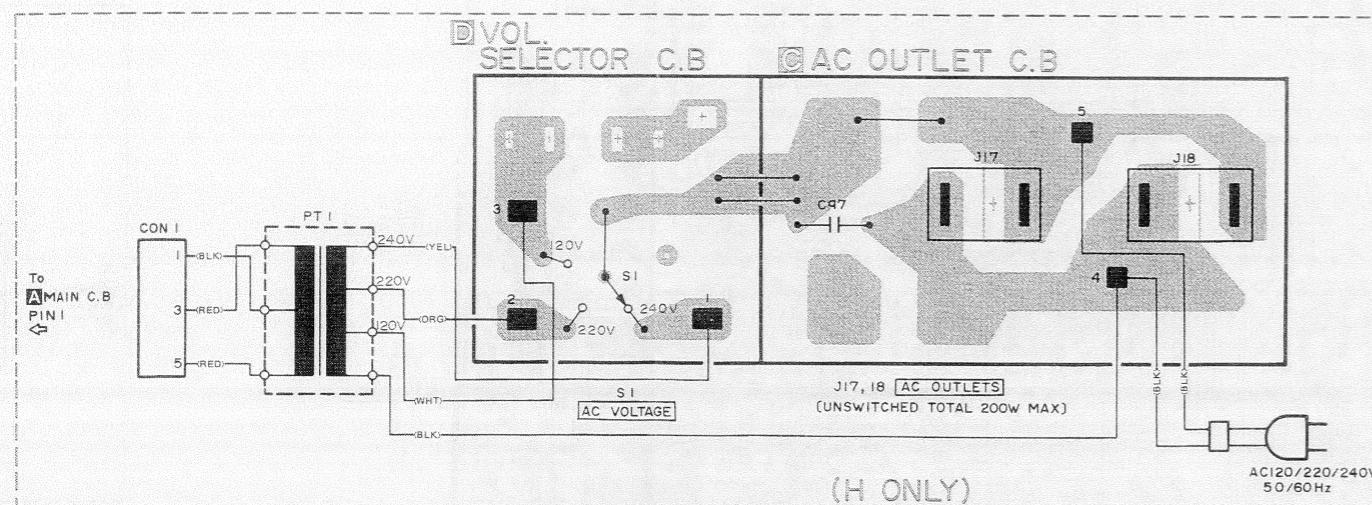
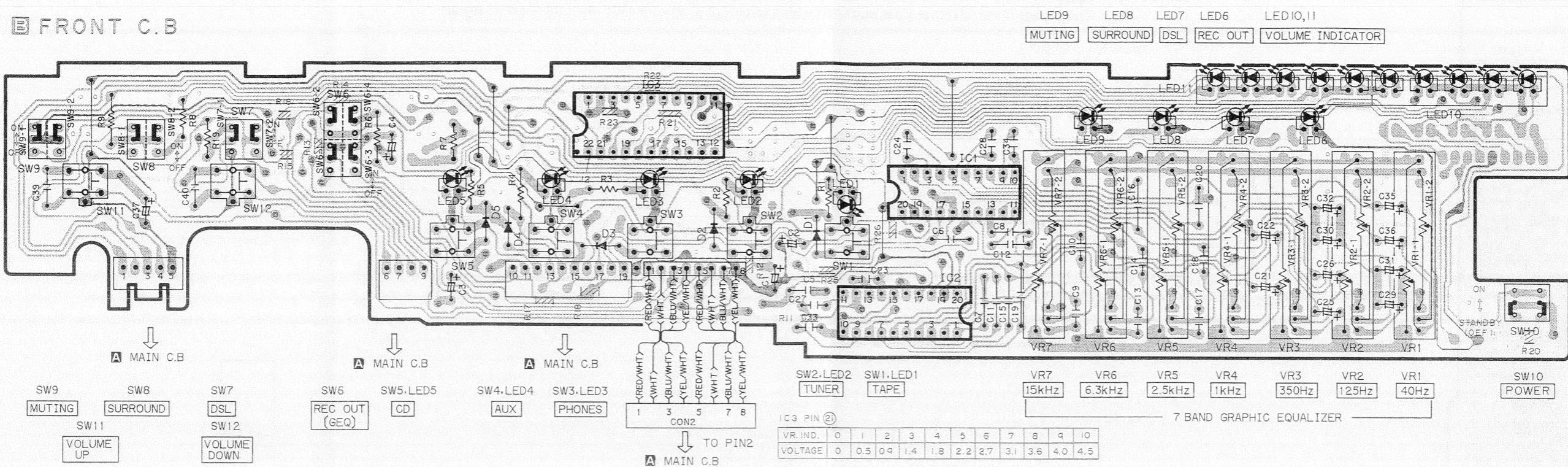
SW9
MUTING

V

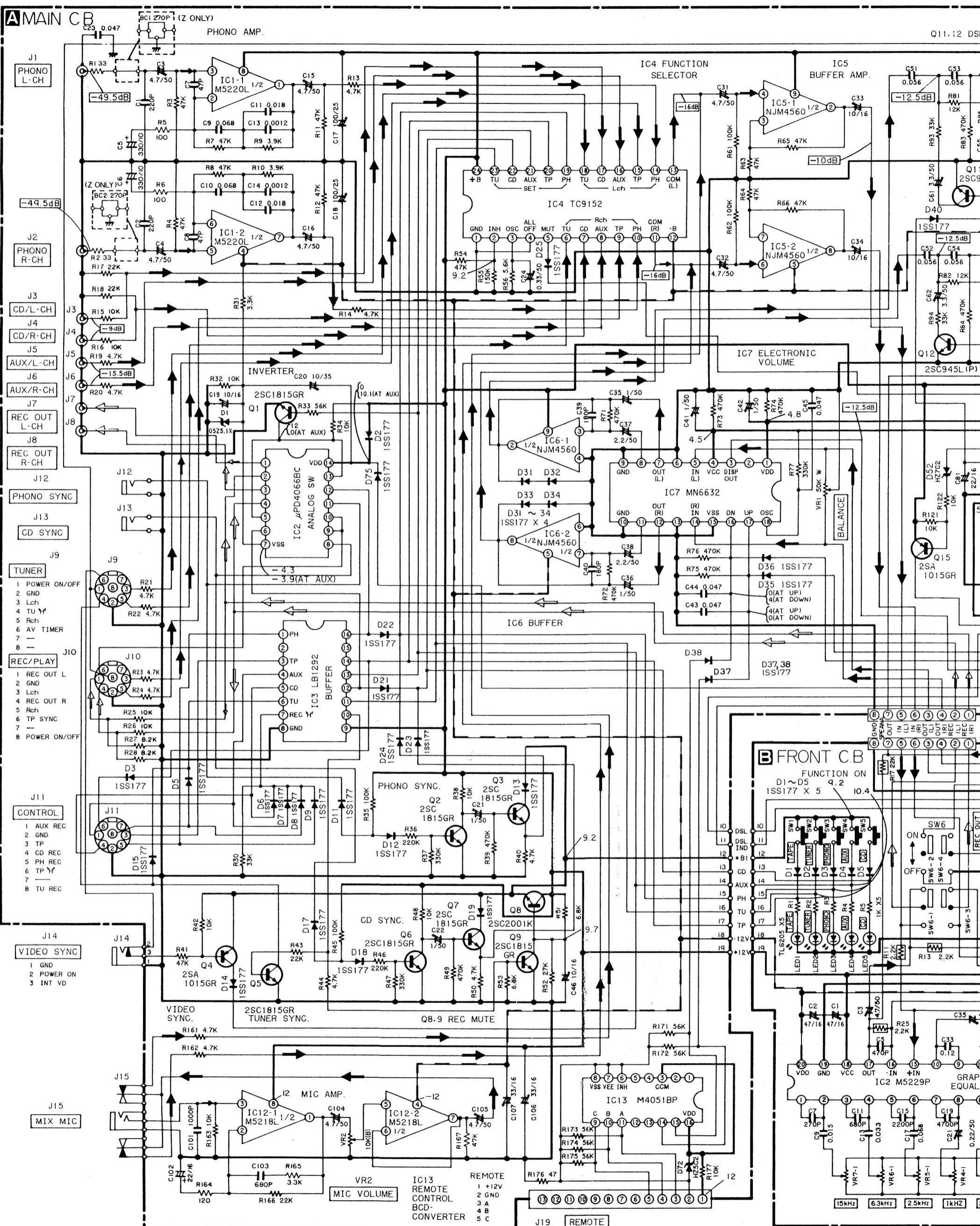
B FRONT C.B

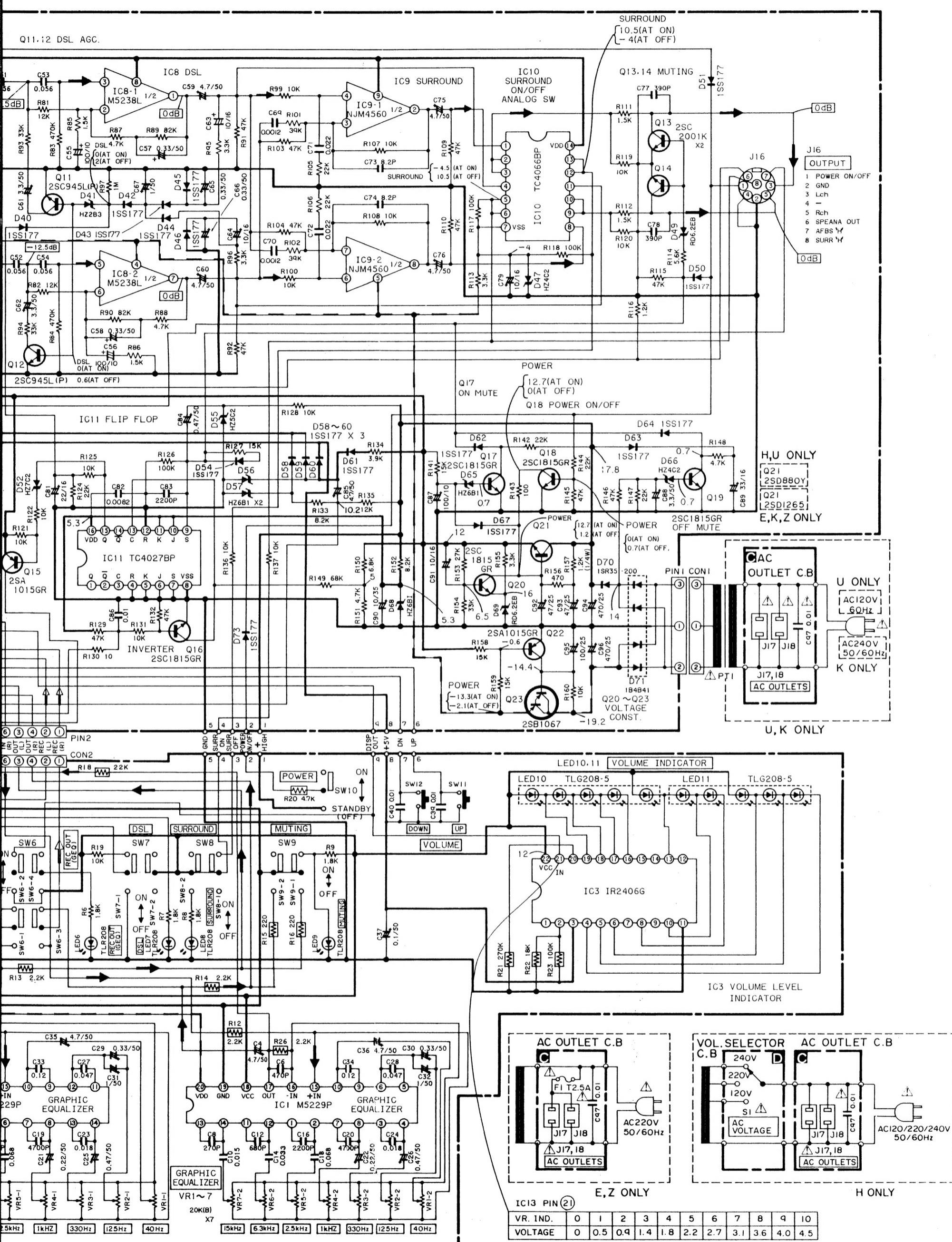


B FRONT C.B



SCHEMATIC DIAGRAM—1 (GX-770)





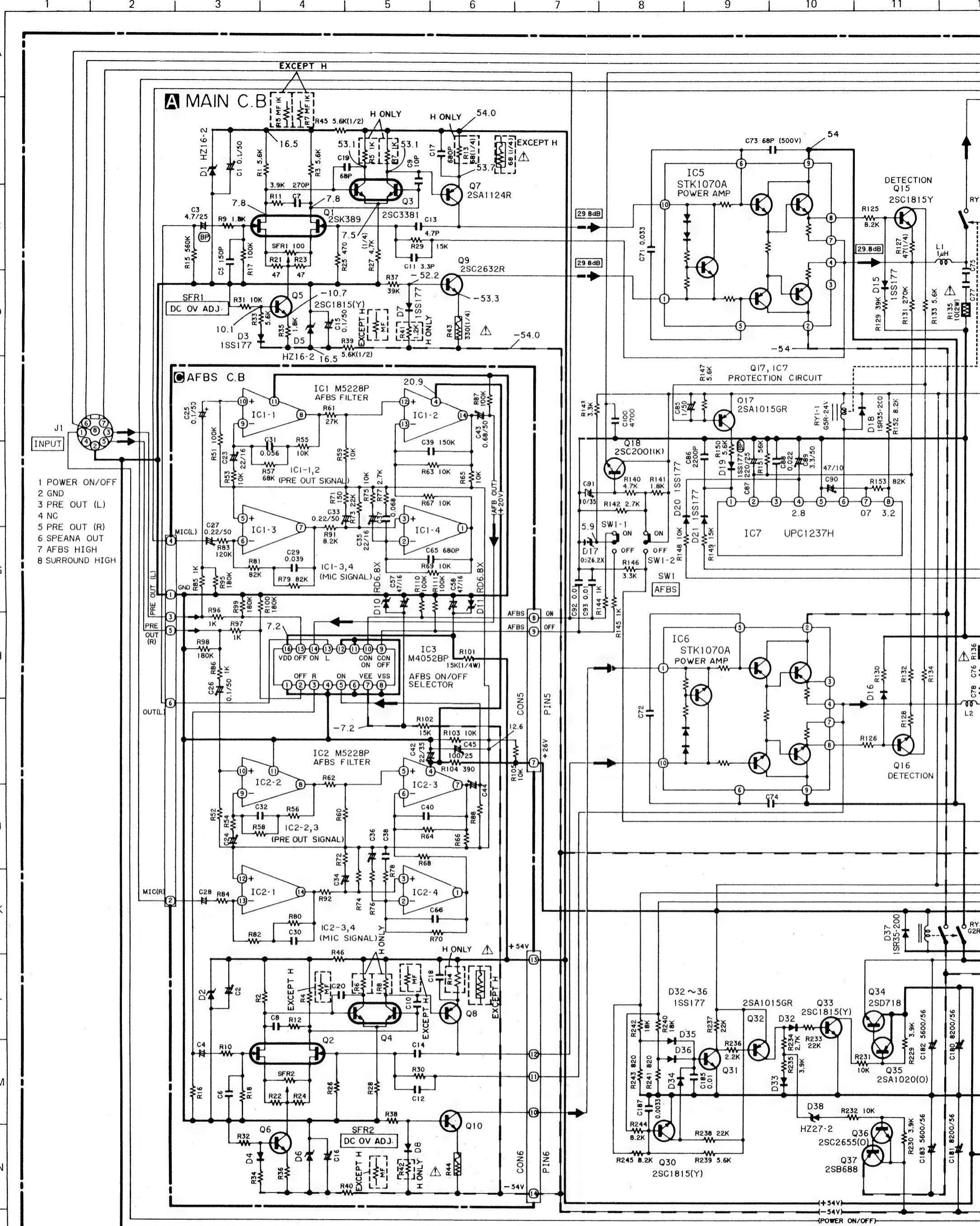
⚠ Safety component symbol

This symbol is given to important parts which serve to maintain the safety of the product, and which are made to conform to special safety specifications.

Therefore, when replacing a component with this symbol, make absolutely sure that you use a designated part.

NOTES:

- 1) ⚡ B (+) power supply
- 2) → Signal path
- Rec path



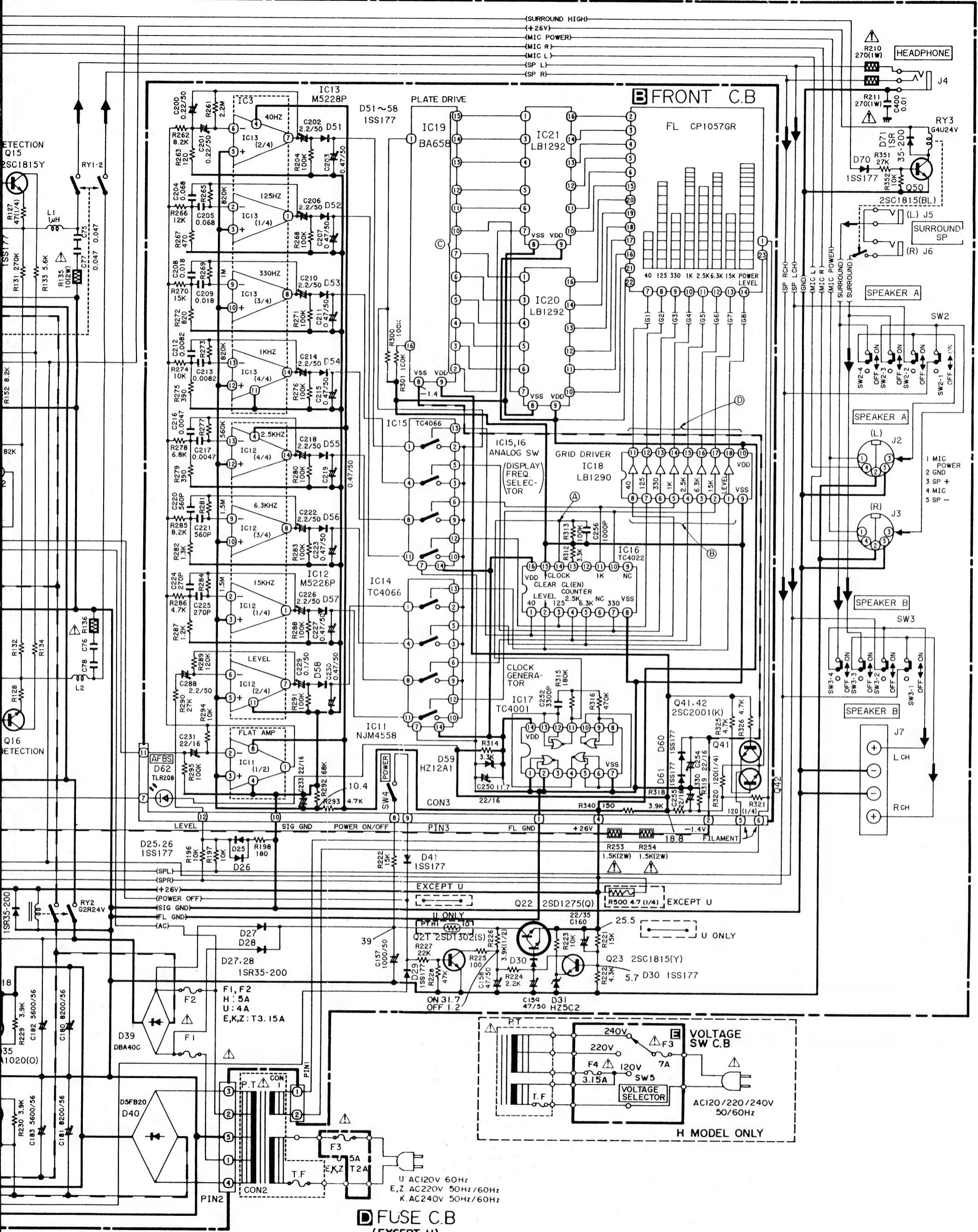
Note: The constant of R-ch is the same as that of L-ch.

Safety component symbol

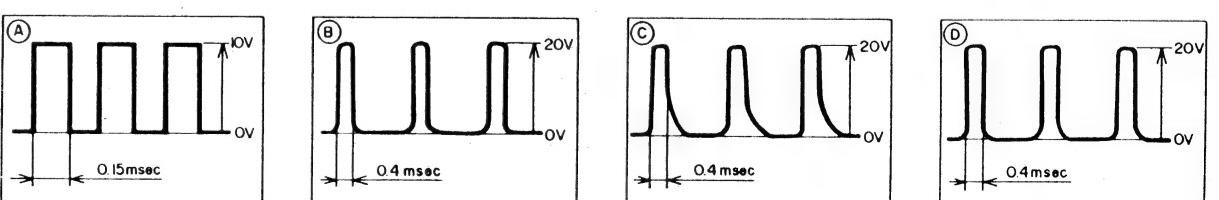
This symbol is given to important parts which serve to maintain the safety of the product, and which are made to conform to special safety specifications. Therefore, when replacing a component with this symbol, make absolutely sure that you use a designated part.

NOTES:

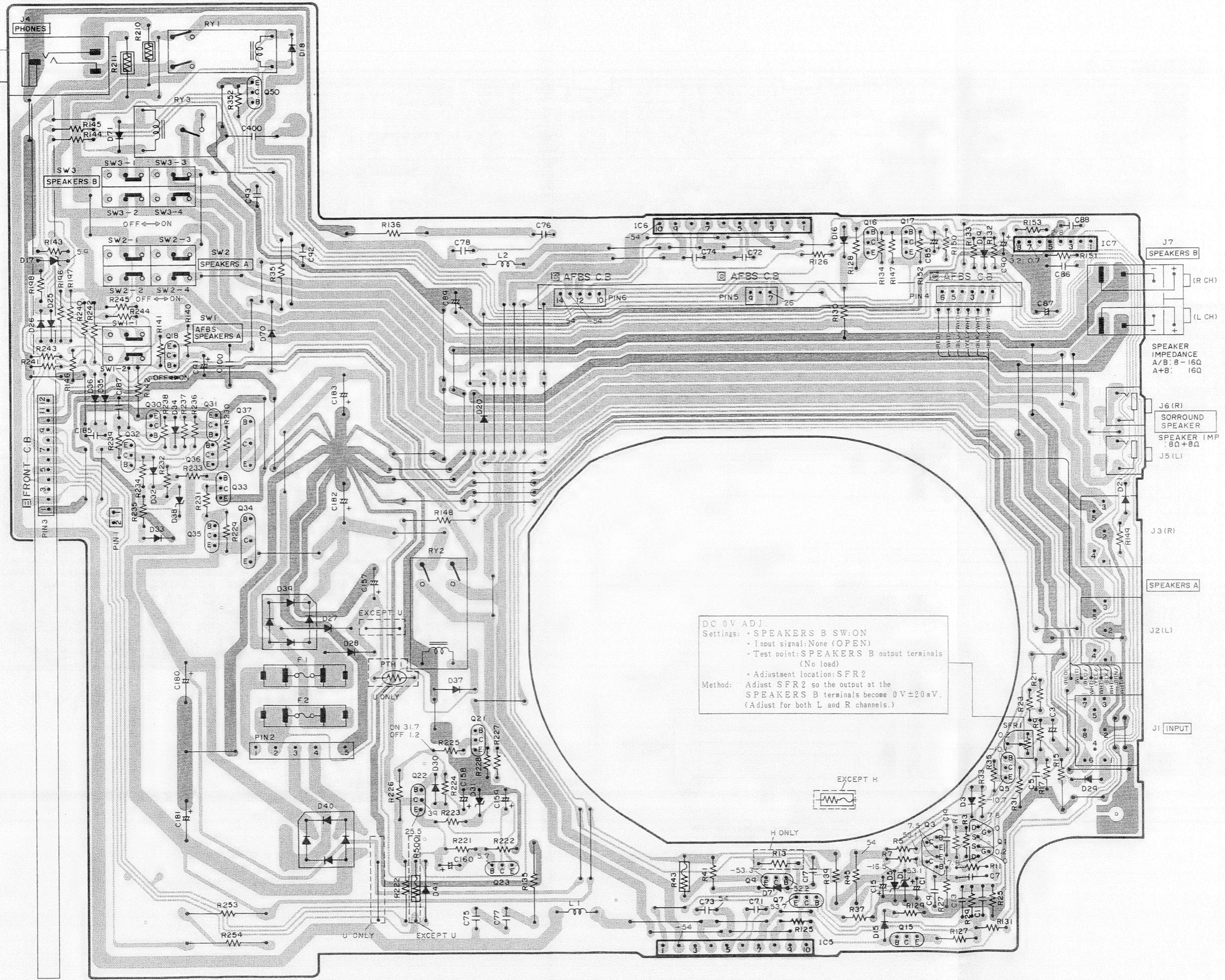
- 1) B (+) power supply
- 2) → Signal path

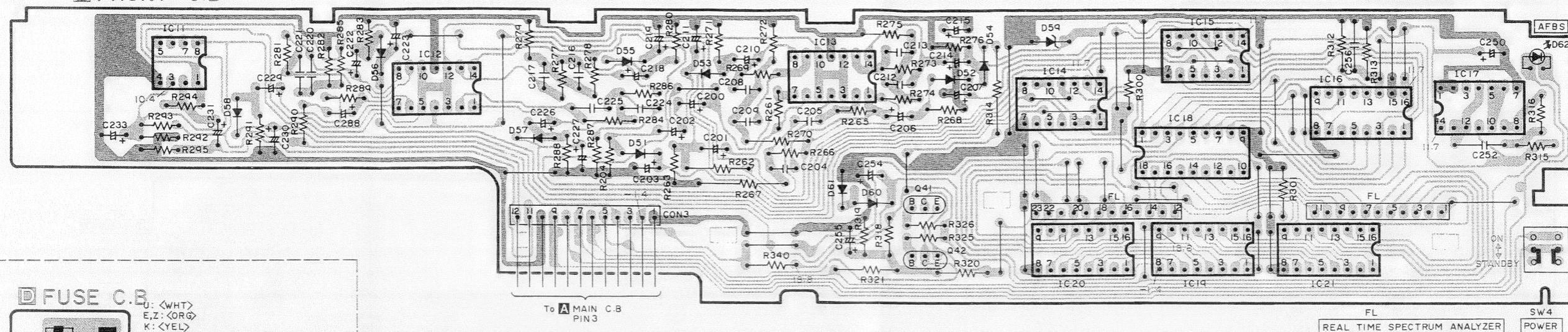
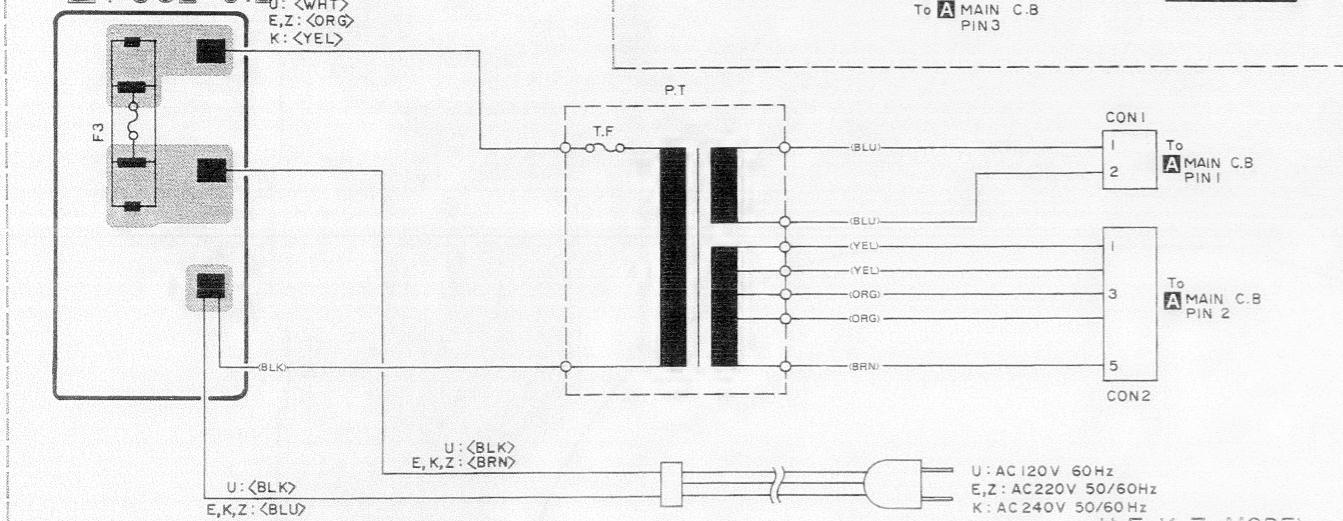
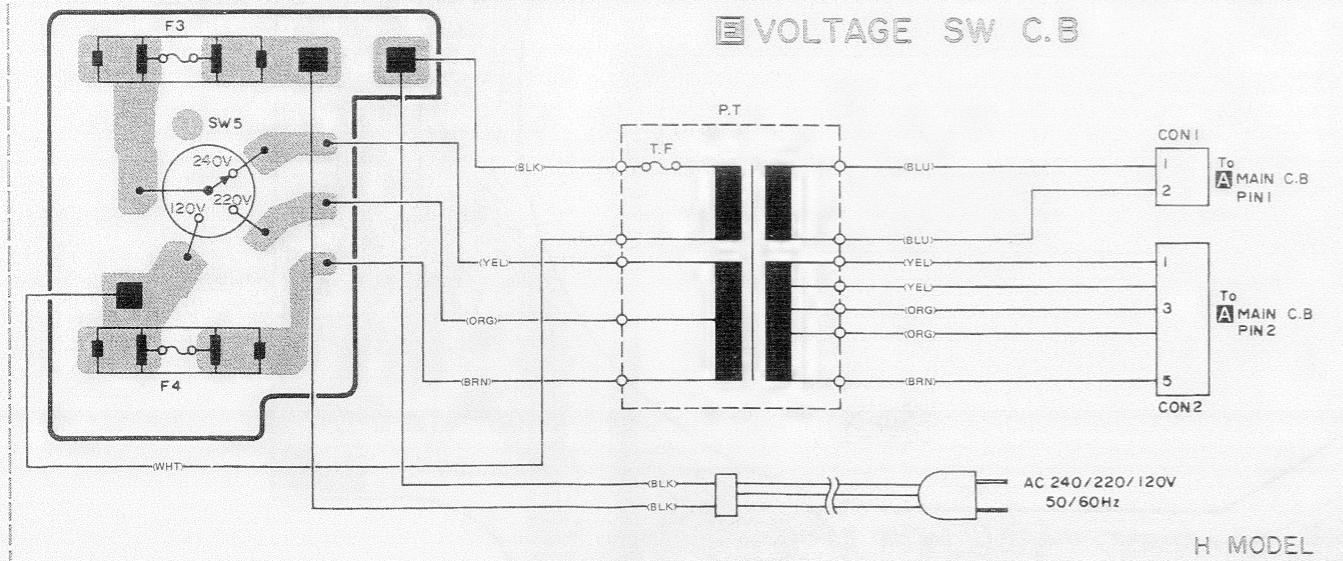


**D FUSE C.B
(EXCEPT H)**

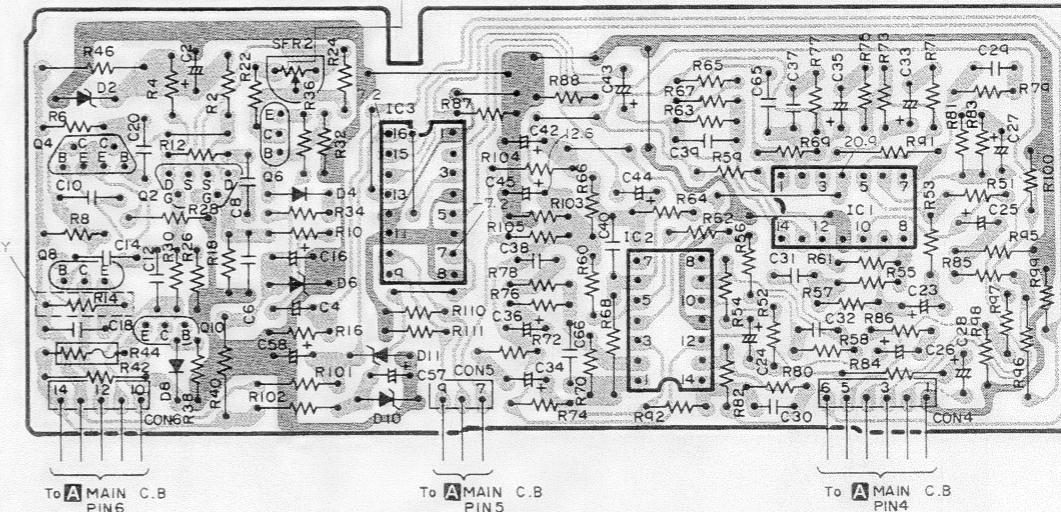


A MAIN C.B

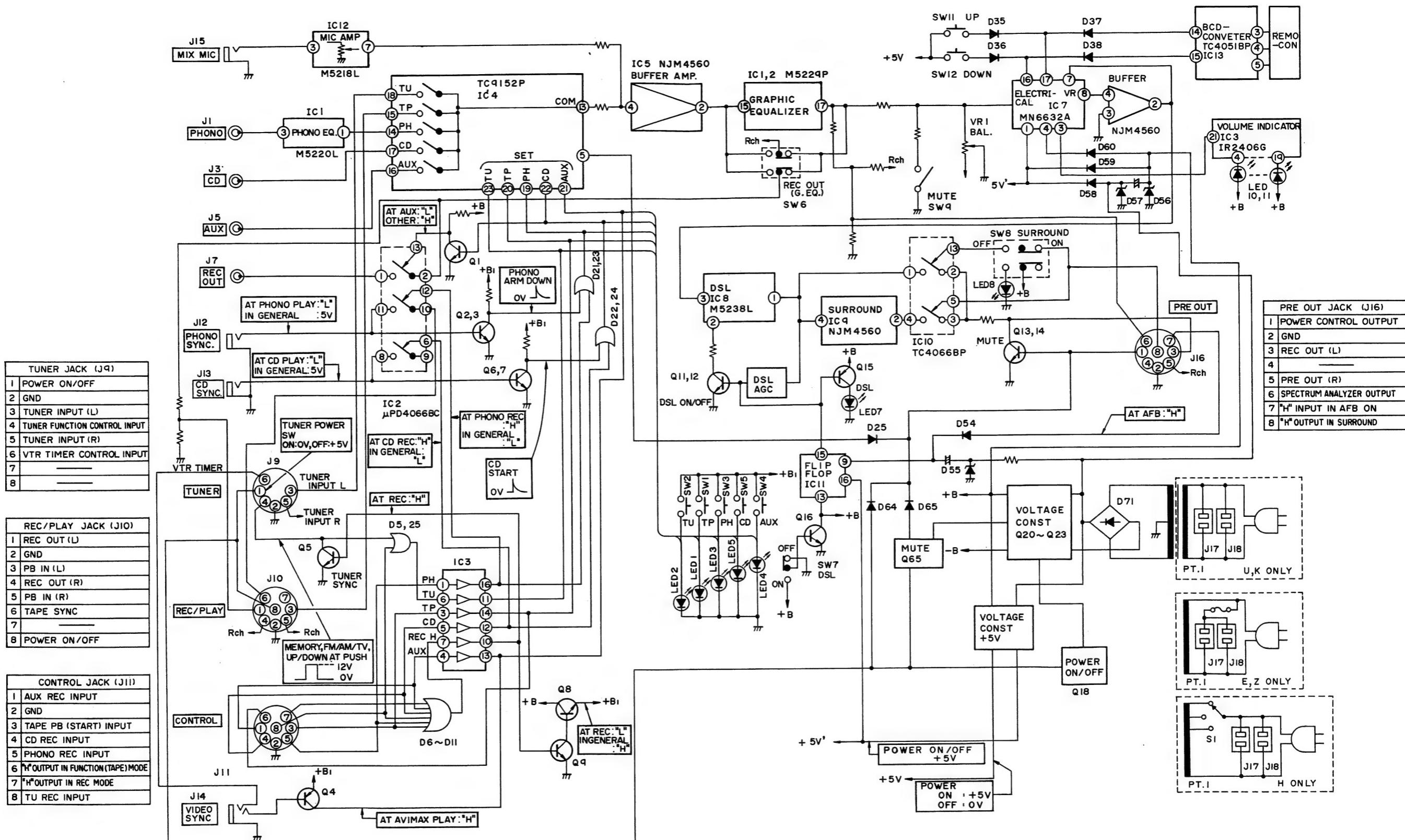


B FRONT C.B**D FUSE C.B****E VOLTAGE SW C.B**

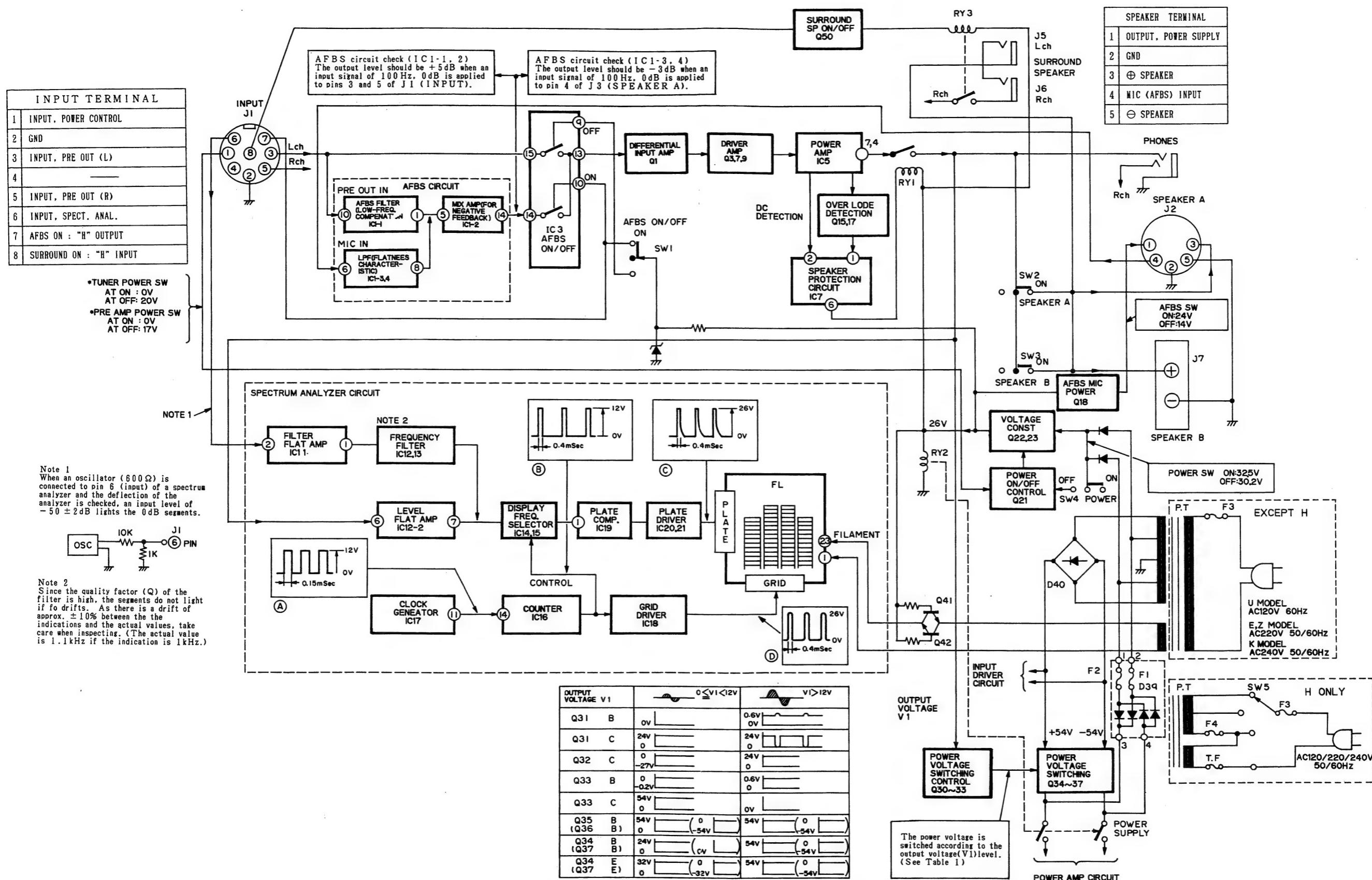
DC 0V ADJ.
 Settings:
 - SPEAKERS B SW:ON
 - Input signal:None (OPEN)
 - Test point:SPEAKERS B output terminals
 (No load)
 - Adjustment location: SFR 2
 Method:
 Adjust SFR 2 so the output at the
 SPEAKERS B terminals become 0 V±20 mV.
 (Adjust for both L and R channels.)

C AFBS C.B

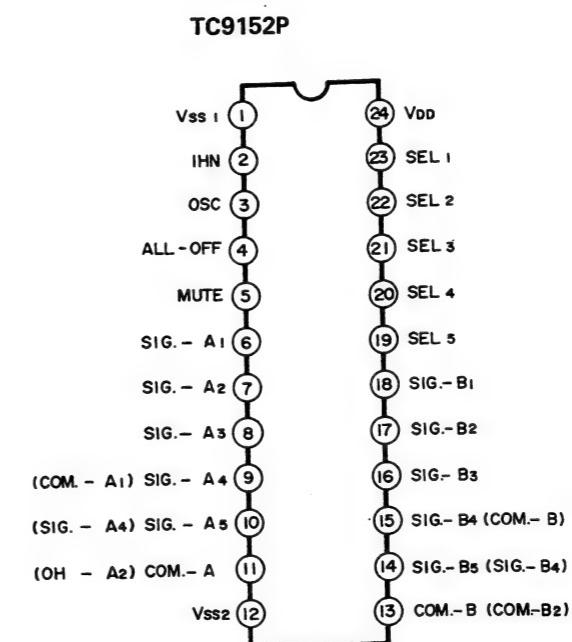
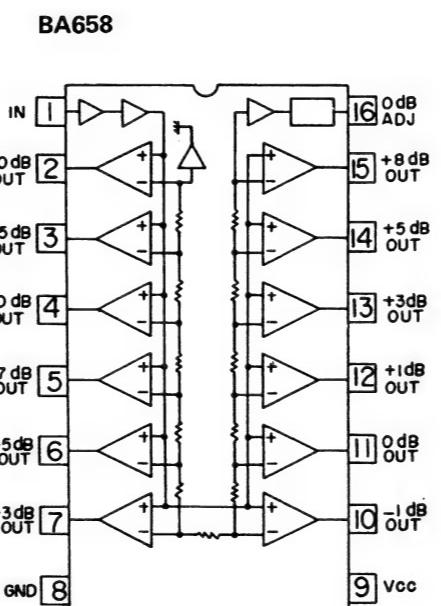
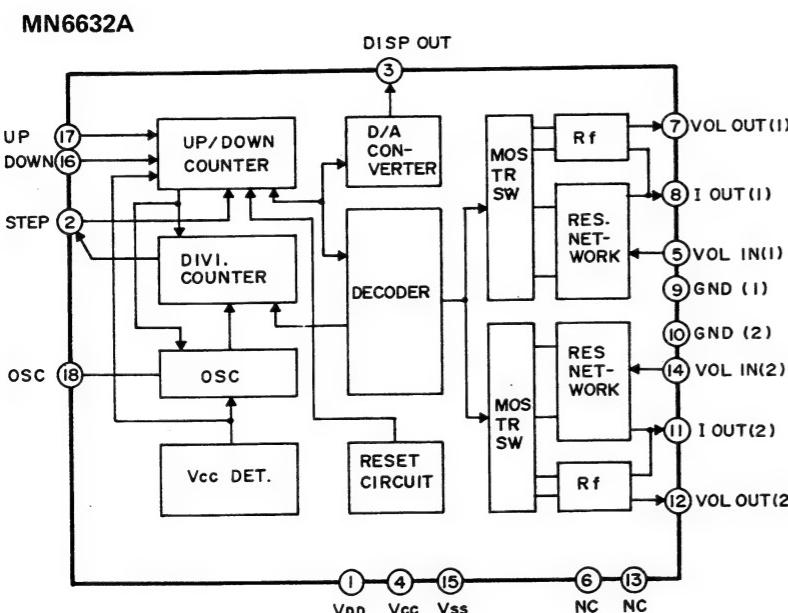
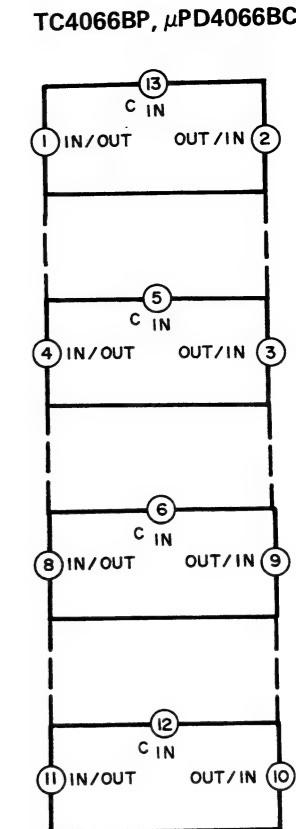
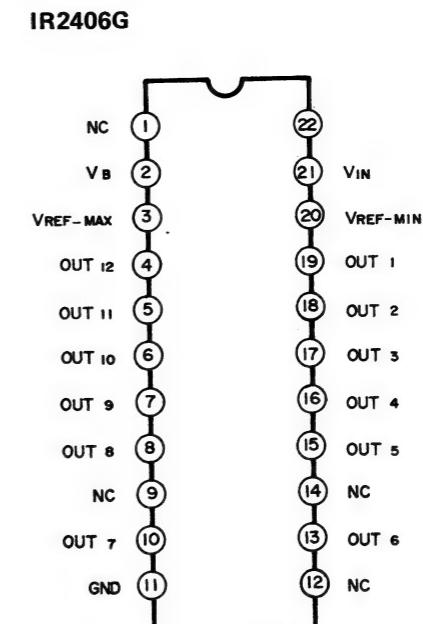
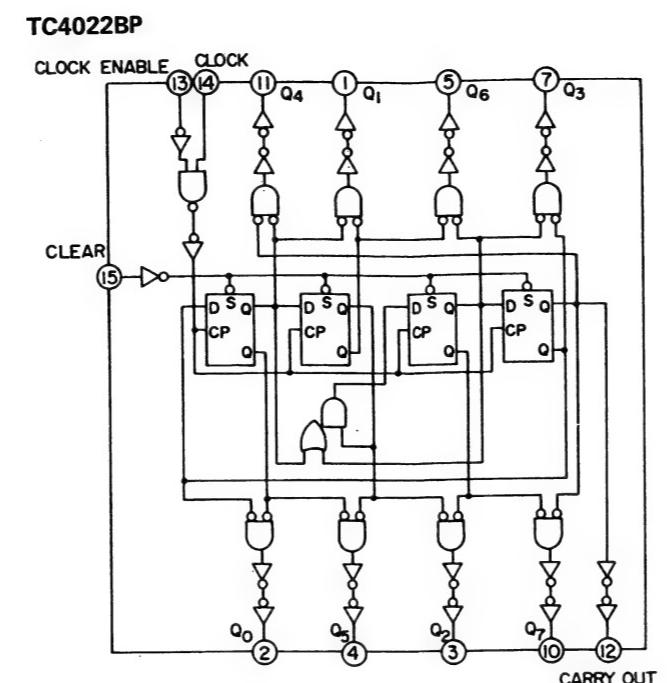
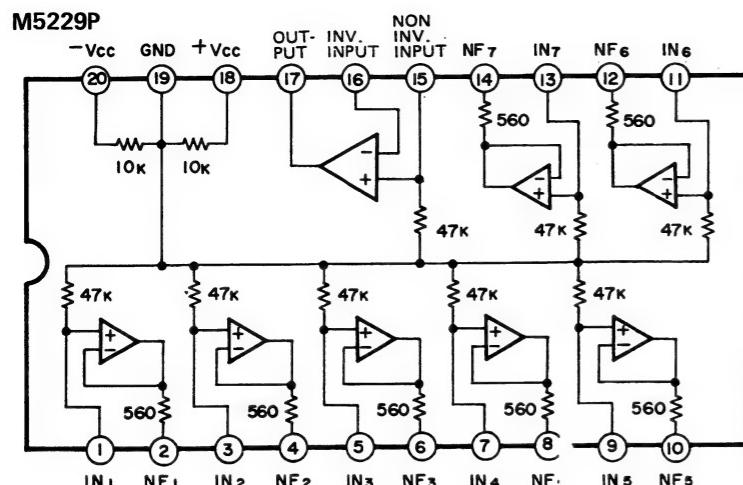
• BLOCK DIAGRAM (GX-770)



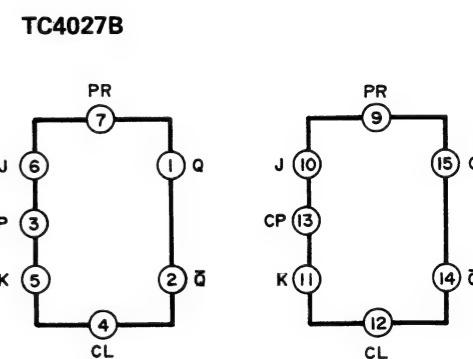
• BLOCK DIAGRAM (BX-770)



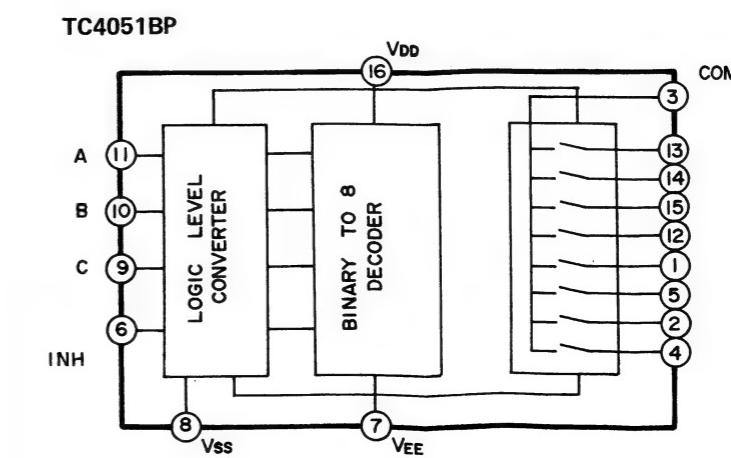
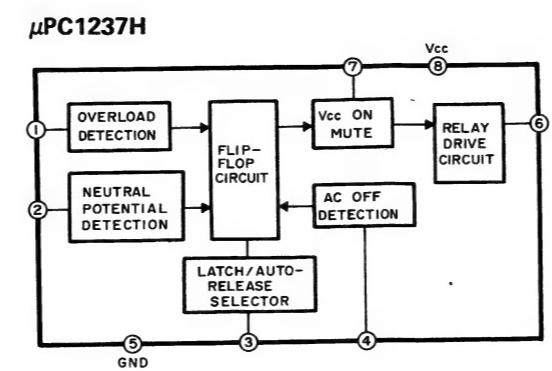
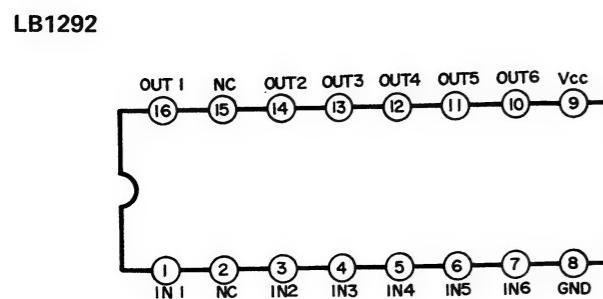
• IC BLOCK DIAGRAM (GX-770·BX-770)



Vdd : 14 , Vss : 7



Vdd : 16 , Vss : 8

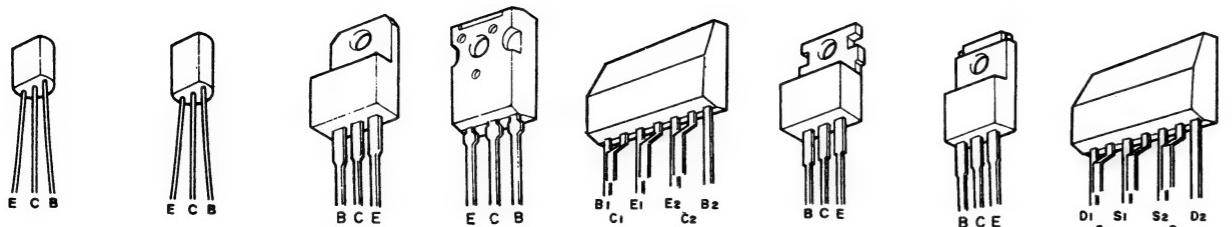


| CONTROL INPUTS | | | | "ON" CHANNEL |
|----------------|---|---|---|--------------|
| INHIBIT | C | B | A | |
| L | L | L | L | 0 |
| L | L | L | H | 1 |
| L | L | H | L | 2 |
| L | L | H | H | 3 |
| L | H | L | L | 4 |
| L | H | L | H | 5 |
| L | H | H | L | 6 |
| L | H | H | H | 7 |
| H | * | * | * | NOTE |

* Don't Care

Practical Service Figure (GX-770)

| | |
|-----------------------------|-----------------|
| Total harmonic distortion: | Less than 0.01% |
| Residual noise: | Less than 30 µV |
| Channel separation: | More than 50 dB |
| Graphic equalizer response: | ±12 dB |



| | | | |
|----------------|----------------|---------------|----------------|
| 2SA1015 | 2SA1020 | 2SB688 | 2SB1067 |
| 2SC1815 | 2SA1124 | 2SD718 | |
| 2SC945 | 2SC2632 | | |
| 2SC2001 | 2SC2655 | | |
| 2SD1302 | | | |

NOTES:

- 1) The voltage is the reference value measured with a tester (20 k-ohms/V DC) when there are no signals.
 - 2) Resistors with no designation have a rated power of 1/8W and a tolerance of $\pm 5\%$.
 - 3) Capacitors with no designation have a dielectric strength of less than 50WV.
 - 4) The only capacitor tolerance indicated are $\pm 5\%$ (J) and $\pm 10\%$ (K).
 - 5) Ceramic capacitor symbols:
 - ||— For temperature compensation (SL)
 - ||Y High dielectric constant system (YY)
 - ||Y High dielectric constant system (YW, YP, YZ)
 - ||S Semiconductor ceramic
 - ||H For temperature compensation (SH)

- 6) Explanation of symbols

 - (M) Mylar capacitor
 - (A) Aluminum solid capacitor
 - (PP) Polypropylene film capacitor
 - (BP) Bi-polarized capacitor
 - (LL) Low-leakage capacitor
 - (T) Tantalum capacitor
 - (S) Styrol capacitor
 - - Printed resistor
 - - Fuse resistor
 - - Nonflammable resistor
 - (LN) Low noise resistor



This symbol is given to important parts which serve to maintain the safety of the product, and which are made to conform to special safety specifications.

Therefore, when replacing a component with this symbol, make absolutely sure that you use a designated part.

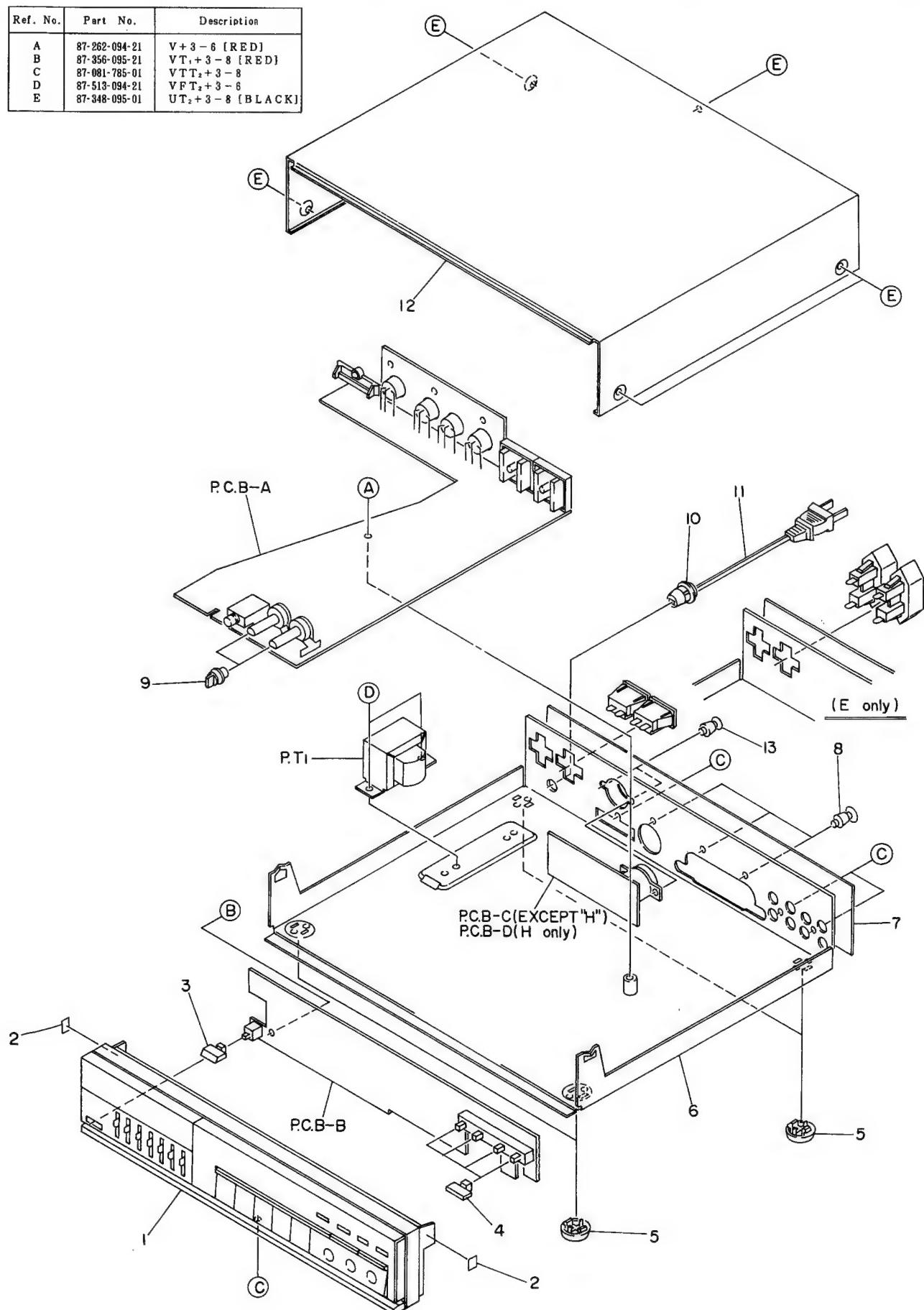
- This schematic diagram is subject to change without notice in the interests of improved performance.

MEMO ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★

EXPLODED VIEW (GX-770)

1 2 3 4 5 6 7

| Ref. No. | Part No. | Description |
|----------|---------------|---------------------------------|
| A | 87-262-094-21 | V + 3 - 6 [RED] |
| B | 87-356-095-21 | VT ₁ + 3 - 8 [RED] |
| C | 87-081-785-01 | VTT ₂ + 3 - 8 |
| D | 87-513-094-21 | VFT ₂ + 3 - 6 |
| E | 87-348-095-01 | UT ₂ + 3 - 8 [BLACK] |



MECHANICAL PARTS LIST (GX-770)

- *-mark in this part list shows exclusive part.
- *-mark means less required items availabilities may be limited.
- No availability part is marked with — in Part No. list.

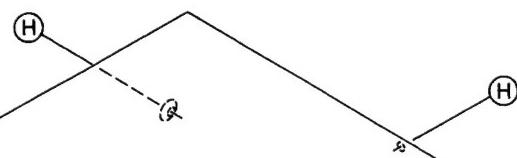
| Part No. changed to | Ref. No. | Part No. | Description | Common Model | Q'ty | |
|------------------------|----------|-------------|-----------------------------|-----------------|------|---|
| | 1 | ★81-750-021 | FRONT CABINET CH (B) Ass'y | | * | 1 |
| | 2 | — | SHEET 14-6-0.3 | | 2 | |
| | 3 | ★84-714-013 | BUTTON, POWER | DX-770 | 1 | |
| | 4 | ★81-748-010 | PUSH-BUTTON T | | 4 | |
| | 5 | ★87-055-057 | FOOT B | | 4 | |
| | 6 | — | AMP. CHASSIS Ass'y | | 1 | |
| | 7 | — | JACK PLATE | | 1 | |
| | 8 | ★87-084-077 | NYLON RIVET 3.5-5.5 | | 3 | |
| | 9 | 81-752-014 | KNOB | MX-550 | 2 | |
| | 10 | ★87-085-184 | CORD BUSHING (H, U only) | | 1 | |
| | | ★87-085-185 | CORD BUSHING (E, K, Z only) | | 1 | |
| | 11 | ★87-034-992 | AC POWER CORD (H only) | | 1 | |
| | | ★87-034-929 | AC POWER CORD (U only) | | 1 | |
| | | ★87-034-877 | AC POWER CORD (E, Z only) | | 1 | |
| | | ★87-034-708 | AC POWER CORD (K only) | | 1 | |
| | 12 | ★81-748-020 | STEEL CABINET T | | 1 | |
| | 13 | ★87-085-090 | NYLON RIVET 3-6.5 (H only) | | 2 | |

EXPLODED VIEW (BX-770)

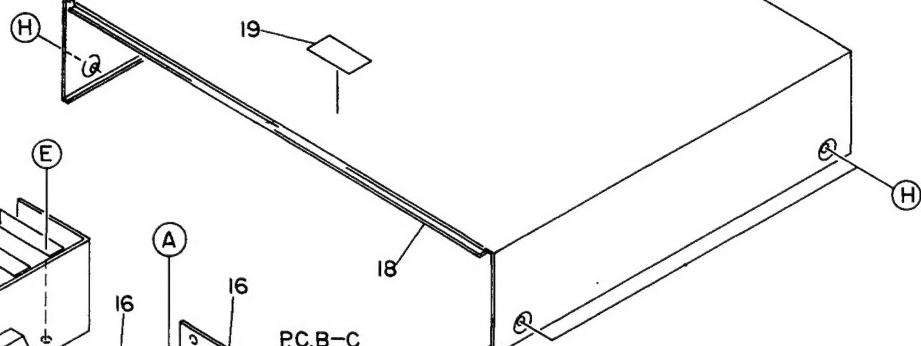
1 2 3 4 5 6 7

| Ref. No. | Part No. | Description |
|----------|---------------|-----------------|
| A | 87-269-094-21 | V+3-6 [RED] |
| B | 87-261-098-21 | V+3-14 |
| C | 87-353-094-01 | VTz+3-6 |
| D | 87-081-785-01 | VTTz+3-8 |
| E | 87-067-054-01 | VTT+3-8 [RED] |
| F | 87-513-094-21 | VFTz+3-6 |
| G | 87-517-094-21 | VFTz+3-6 [RED] |
| H | 87-348-095-21 | UTz+3-8 [BLACK] |

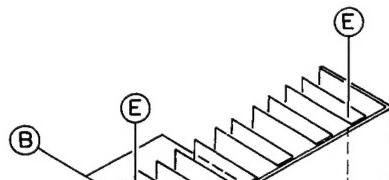
A



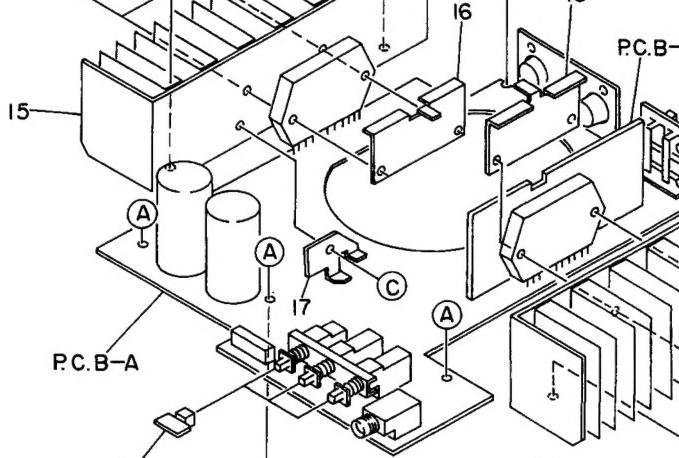
B



C



D



MECHANICAL PARTS LIST (BX-770)

- *-mark in this part list shows exclusive part.
- *-mark means less required items availabilities may be limited.
- No availability part is worked with— in Part No. list.

| Part No. changed to | Ref. No. | Part No. | Description | Common Model | Q'ty | |
|------------------------|----------|-------------|-----------------------------|-----------------|------|--|
| 1 | 1 | ★81-751-022 | FRONT CABINET PH (B) Ass'y | DX-770 | ※ 1 | |
| | 2 | — | SHEET 14-6-0.3 | | 2 | |
| | 3 | ★81-714-013 | BUTTON POWER | | 1 | |
| | 4 | ★87-085-090 | NYLON RIVET 3-6.5 (H only) | | 2 | |
| | 5 | — | COLLAR LED | | 1 | |
| | 6 | ★87-055-057 | FOOT B | | 4 | |
| | 7 | — | AMP. CHASSIS Ass'y | | 1 | |
| | 8 | — | JACK PLATE | | 1 | |
| | 9 | — | SHEET IC | | 2 | |
| | 10 | ★87-085-102 | NYLON RIVET 3.5-5.5 | | 2 | |
| 11 | 11 | ★87-085-184 | CORD BUSHING (H, U only) | | 1 | |
| | | ★87-085-185 | CORD BUSHING (E, K, Z only) | | 1 | |
| | 12 | ★87-034-992 | AC POWER CORD (H only) | | 1 | |
| | | ★87-034-578 | AC POWER CORD (U only) | | 1 | |
| | | ★87-034-877 | AC POWER CORD (E, Z only) | | 1 | |
| | | ★87-034-708 | AC POWER CORD (K only) | | 1 | |
| 13 | 13 | ★82-752-206 | COVER, NUT | MX-550 | 3 | |
| | 14 | ★81-748-010 | PUSH-BUTTON T | | 3 | |
| | 15 | — | HEAT SINK Ass'y | | 2 | |
| | 16 | — | PLATE NUT | | 2 | |
| | 17 | — | HOLDER, CIRCUIT BOARD | | 1 | |
| 18 | 18 | ★81-751-010 | STEEL CABINET P | ※ | 1 | |
| | 19 | ★87-057-717 | TEMP LABEL H | | 1 | |
| | 20 | — | G CUSHION | | 2 | |

■ ACCESSORIES/PACKAGE LIST

GX-770

| Part No. changed to | Ref. No. | Part No. | Description | Common Model | Q'ty | |
|------------------------|----------|-------------|---------------------|-----------------|------|--|
| | 1 | ★81-750-907 | INSTRUCTION BOOKLET | ※ | 1 | |

BX-770

| Part No. changed to | Ref. No. | Part No. | Description | Common Model | Q'ty | |
|------------------------|----------|-------------|---------------------------|-----------------|------|--|
| | 1 | ★81-751-907 | INSTRUCTION BOOKLET | ※ | 1 | |
| | 2 | ★87-034-718 | 8 P D I N CORD CW-258 ESK | | 1 | |

AIWA Co., Ltd. Tokyo Japan